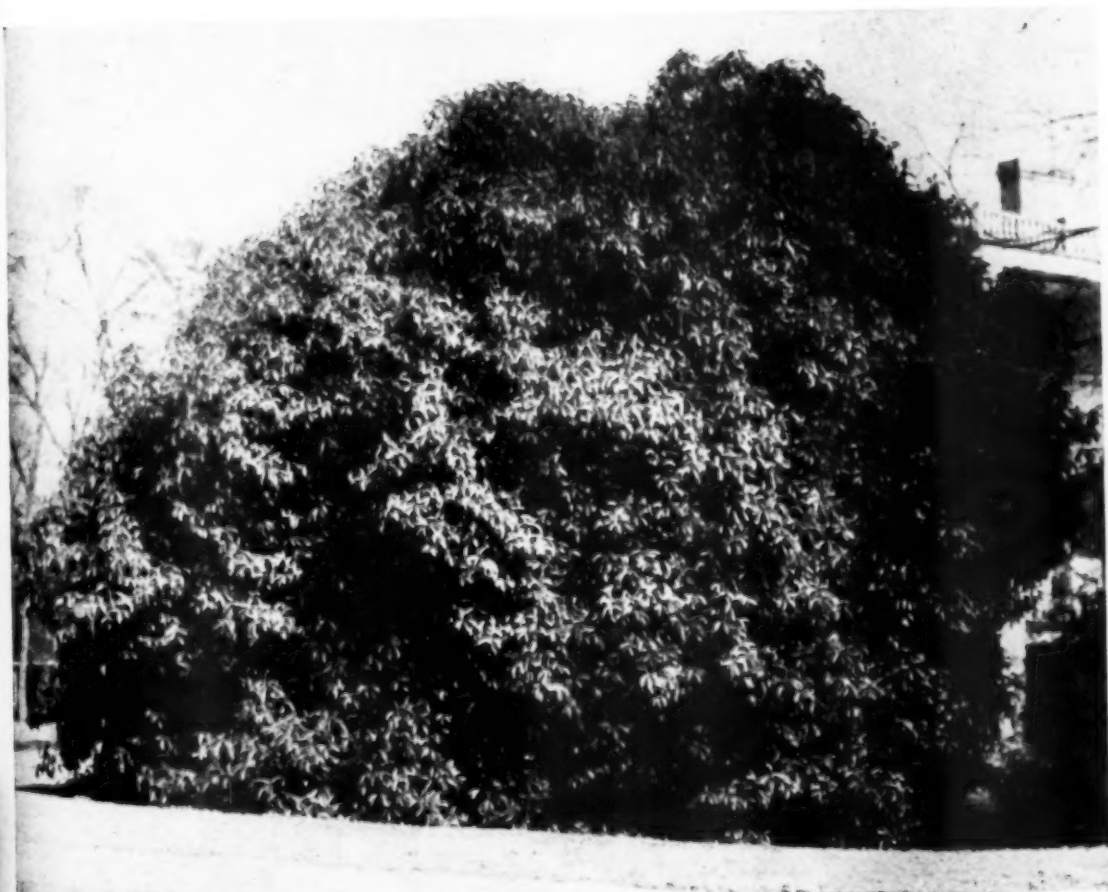


AMERICAN NURSERYMAN

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

DEC 1 1959

DECEMBER 15, 1959



Osmanthus Fragrans

SEEDS

TREE—SHRUB—PERENNIAL
FLOWER—GRASS—VEGETABLE

HERBST BROTHERS

SEEDSMEN, INC.

678 Broadway, New York 12, N. Y.

Correspondence with seed collectors and growers invited. Free catalog "Seeds for Nurserymen."



EASON'S GREETINGS

AND OUR BEST WISHES FOR ANOTHER PROSPEROUS YEAR

As we look back over 1959, we see that an abundance of good blessings and pleasant associations *far overshadow* the trials and tribulations of the year.

As we look forward to 1960, we can be thankful for our ever-increasing list of satisfied customers who make this business possible. Thankful for one of the finest crops it has been our pleasure to harvest, a newly completed building with improved packing and shipping facilities to serve you better.

I and my co-workers here at Mount Arbor appreciate your business and wish you a Happy Christmas and the best of health and good cheer all the New Year!

A handwritten signature in cursive script that reads 'George Welch'.

President

MOUNT ARBOR NURSERIES

Shenandoah, Iowa

"One of America's Foremost Nurseries"
Since 1875

AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

VOL. CX, NO. 12

DECEMBER 15, 1959

Founded 1904
With which was merged 1939
THE NATIONAL NURSERYMAN
Established 1893



Published on the
first and fifteenth
of each month by the
AMERICAN NURSERYMAN
PUBLISHING COMPANY
343 South Dearborn Street,
Chicago 4, Illinois
Telephone: WAbash 2-9011



Subscription Price:
\$5.00 per year; outside
United States, \$6.00;
Single Copies, 25c.



Advertising Rates
On Application.
For Closing Dates
See Next Page.



Second-class postage
paid at Chicago, Ill.

CONTENTS

Little-Used Small Trees for the South	7
By Fred C. Galle	
Retail Reports Show Gains, Losses	9
Purchasing Stock for a New Retail Salesyard	11
By William Flemer III	
All-America Seed Selections	12
Hollies Gain Favor as Useful Landscape Plants	13
By Albert S. Beecher	
Christmas Hobby Shop Proves Garden Center Profit Builder ..	14
By Richard B. Kilner	
County Agents Discuss Nursery Merchandising	15
By Robin Todd	
Cushion and Mushroom Plant Forms	16
By Clarence E. Lewis	
Plant Notes Here and There	60
By C. W. Wood	
Propagating Ghent and Mollis Azaleas	98
By Sylvester G. March	
South Dakotans Gather for College Field Day	102
By Jesse M. Rawson	



Editorial	6	This Business of Ours	48
—Merry Christmas	6	—Offbeat Landscaping	48
—Trends Change	6	Subway Won't Grow Trees	64
—Property Taxes	6	Michigan Meeting	65
Landscaping for Reynolds Metals	9	Scholarship Winner	65
Office Wins A. A. N. Award	9	Breedlove Nurseries Occupy New	66
Arborists Award Two	10	Building	66
Wins Landscape Award	11	Wholesaler's Report	66
Cover Illustration	18	Sell Chesmore Units	67
—Osmanthus Fragrans	18	West's Sell and Move	67
Seek Holly Information	18	California Association of Nursery-	68
Coming Events	20	men	68
—Meeting Calendar	20	—Los Angeles Chapter	68
—Illinois Program	21	—Redwood Empire Chapter	68
—Schedule for Iowa	22	—San Diego Chapter	68
—Western Nurserymen	26	—Monterey Bay Chapter	69
—North Carolina Plans	28	—Superior Chapter	70
—Indiana Arborists	32	Arborists Meet	71
—Virginia Short Course	34	San Gabriel Fall Show	72
—Details for Maryland	34	Nursery Fire Loss	72
—Connecticut Highlights	36	Oregon Notes	73
—N.L.N.A. Meeting	36	Portland Program on Plant Topics	82
—Michigan Winter Meeting	36	Chenoweth's Expands	84
Maryland Promotion	38	Open House at Vallejo	85
Downtown Trees Moved	38	California Notes	85
The Christmas Tree	40	Holiday Tree Kit	86
Christmas Tree Market Survey in	40	Tree-Growing Contest	101
Illinois	40	Annual Index	104 to 106
Keep Yule Trees Fresh	44	—Vol. CIX	104
Peace Retail Unit	46	—Vol. CX	105

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

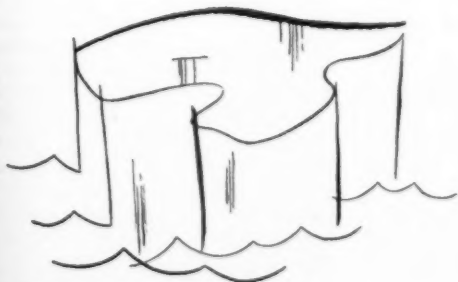
It's NICE to rub NOSES with HOWARDS of HEMET ROSES



When you rub noses with Howards of Hemet roses, you are rubbing in the best company of all. This year, at the outset of bareroot season, we can offer you a whale of a good deal on Number one and one and a half grades — the kind to make your customers fairly blubber with gratitude as they fork over the cold cash.

Our own frosty originations, Angel Wings, Governor Rosellini, Tom Tom, Tiffany . . . will light a fire in the chilliest igloo. All-America winners, and such "hot" roses as HEAT WAVE and LADY ELGIN, as hard to get as a suntan in the Arctic . . . we grow them all . . . all the popular patented and non-patented varieties.

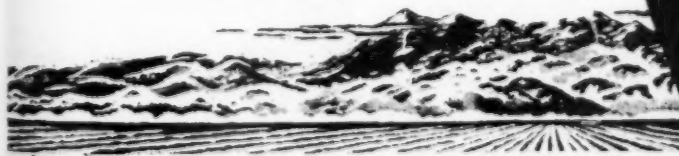
MUSH! Send for our wholesale catalog and put rose sales on ice.



"Seasoned Rosebushes"

for the wholesale trade exclusively

HOWARDS of HEMET
"Seasoned Rosebushes"
 HEMET • CALIFORNIA



AMERICAN NURSERYMAN

F. R. KILNER
Editor and Publisher

FRED H. KILNER
Managing Editor

I. G. MOORE
Associate Editor

C. A. BRADY, Jr.
Advertising Manager

Editorial

Merry Christmas

The approach of the yuletide season, accelerating activities on every hand in preparation for the event, not only brings an atmosphere of warmth and cheer unique to this season, but also stirs the reminiscent thoughts of each of us upon the year now closing. This twelve months has brought good fortune and prosperity generally to the country, a high level of successful activity in this industry particularly and similar favor to most of us as individuals.

In consequence, a feeling of gratitude accompanies the good cheer of the season, and both move this publication's staff to extend to old friends and new acquaintances alike, who have contributed to the record of its progress and the enjoyment involved in its accomplishment, all good wishes for a Merry Christmas!

TRENDS CHANGE

While the garden center has achieved an important place in the nursery industry—and will retain it—sometimes it has been debated whether undue emphasis was not placed upon this form of enterprise when it was new in some parts of the country and gained prominence as the home-building boom expanded. Certainly the garden centers quickly filled the needs of the homeowners in new subdivisions, and they will continue to aid in the maintenance of the plantings begun there.

At times, garden centers were talked of as being competition for the landscape segment of the industry and as successors to some of the firms in that branch. But, as a matter of fact, the landscape nurserymen have not lacked for business in the past decade; in fact, their need has been for more trained men to expand their operations. Of late, moreover, report indicates that the landscape nurserymen may be faring

even better than some garden centers where the novelty has worn off somewhat.

Many nurserymen who combined the operations reported that the garden center department fed orders to the landscape department. Probably there have been more such instances, as well as other landscape business developed, because the new homeowners of the postwar years have grown up as gardeners. They have become more ambitious in their regard for their home grounds, as well as more knowledgeable, and their plans have progressed beyond the do-it-yourself stage.

Moreover, the increasing prosperity of the lower and middle-income groups has increased their ability to pay for services. The effect of the publicity carried on by the national association, as well as other organizations, has had no little effect, combined with the spreading interest in gardening, to be noted in all types of publications—newspapers, magazines and books.

Then the type of homes has changed somewhat as prosperity has spread. The proportion of cheap homes appears less and, of course, the average cost has risen. This is due not only to the cost of materials and labor, but also to the comparative scarcity of mortgage money of late. Current homes are likely to be sold to owners who are more mature, have better taste and desire more things, and can pay for them. The head of a prominent eastern landscape firm expresses optimism about the arrival of the day when the landscape man is one of the first professionals called in by the new homeowner, not the last and least on the list.

Perhaps another straw in the wind is the report of a Texas wholesaler who, after making a round of retailers in his own and adjacent states, concluded that landscape business was faring as well as or better than ever, while the cash-and-carry business did not everywhere show the same vigor, though in some places it likewise prospered.

Pursuing these reflections, one wonders if the novel prosperity of garden centers did not attract too many operators who knew too little about the nursery business. The result was emphasis on the moving of merchandise on a cash-and-carry basis in price and policy, rather than on a service basis. Some garden centers turned into glorified hardware

stores or part-time florists, it appeared. The incentive to customers to come back to the garden center—superior service and stock, informed personnel and interest in plants and gardens as such—were not developed or maintained in these cases.

Possibly operators of stores of this type are those who complain about the inroads of supermarkets, gas stations, department stores and discount firms that sell nursery stock in season. The latter, or at least most of them, sell stock only on a cut-price basis and sometimes at a loss, to attract customers by what is known as loss-leaders. Few of them serve the interests of the satisfied customers who are the source of the more lucrative repeat orders that true nurserymen desire.

As has been pointed out before on this page, the retail nurseryman must aim his promotion and other attempts to secure business, indeed his entire policy, at the class of buyers who merit his attention. When one is diverted by an attempt to compete in the other industry's field, or play the other fellow's game, one is almost sure to lose. Any long-time nurseryman knows that there are some changes in the styles in plants, as in other fields, though perhaps on a longer-term basis. He should be aware that there are changes in business trends which call for adjustment in one's type of operations, adjustments which follow, yet further the growth of the industry.

PROPERTY TAXES

Supplementing the comments on attempts to assess growing nursery stock for personal property taxation, on this page in the preceding issue, the policy statements of the American Association of Nurserymen, just received by members in revised form, may be quoted with respect to the item relating to taxation, which was amended by the board of governors in July of this year. The statement now reads:

"It shall be the policy of the American Association of Nurserymen, Inc., to oppose all attempts that may be made to levy taxes on growing nursery stock, by any federal taxing authority, and to assist, upon request, in all possible ways not inconsistent with other policies, any state association or individual member of the trade confronted with an attempt to tax growing nursery stock."

T
of mi
for th
zine,
to cov
shoul
looked
Con
carolin
south
in cul
hedges
for fo
howev
tiful p
men a
attains
has a
nately
who
pruned
there
would
manner
tion pl
foliage
in leng
small
the ear
followe
ous, ch
Cher
comm
adapta
and co
under
most r
to snow
this da
Tenn.,
where
general
is not

Heavy
foliage o

Little-Used Small Trees for the South

By Fred C. Galle

Director of Horticulture, Ida Cason Callaway Gardens

To supplement a previous article of mine on ornamental small trees for the south published in this magazine, the following notes are given to cover other trees that could or should be used, but have been overlooked in the past.

Common cherry laurel (*Prunus caroliniana*) is a native tree of the south and has been used extensively in cultivation as a sheared plant for hedges, for screening purposes and for foundation plantings. I believe, however, the best use for this beautiful plant is as an individual specimen and as a small tree, since it attains a height of 20 to 30 feet and has a dense, round head. Unfortunately, there are few nurserymen who are growing cherry laurel pruned as a standard tree; however, there are those who feel that there would be greater use for it in this manner than held back as a foundation plant. The attractive evergreen foliage, usually two to three inches in length, is glossy, dark green. The small white flowers that appear in the early spring are showy and are followed by blue-black, inconspicuous, cherrylike fruit.

Cherry laurel is not subject to any common pests or diseases and is adaptable to a wide range of soils and conditions. It also does well under partial shade. In its northernmost range, it is occasionally subject to snow and ice damage. I have seen this damage occur in the Knoxville, Tenn., area and areas north of there, where snow may be a problem, but generally in the south the plant is not likely to be damaged and



Quercus acuta, Japanese evergreen oak, increasing in southern popularity.

proves to be a desirable tree. It is unfortunate that most of the cherry laurel trees seen in the south started out as sheared specimens and then, through neglect, grew into tree form.

Other *Prunus* Species

Two other species of evergreen *Prunus* should be mentioned in this discussion. First is the common, or English, cherry laurel (listed both as *P. laurocerasus* and *P. officinalis*), noted for its large, glossy, green leaves. This species has several varieties based on leaf sizes, one being the *laurocerasus schipkaensis*, which has a smaller leaf than the common cherry laurel and is generally more compact in form. English cherry laurel is seen usually growing to heights of 20 feet or more and also should be used more often as a small tree, rather than confined to hedge or screen use.

Portuguese laurel (*P. lusitanica*), another worthwhile tree, has small leaves, usually three inches in length, but will grow even taller than the English laurel. It is slow in its rate of growth and few large mature trees in this species are seen. Both of these species bear white flowers, followed by inconspicuous, blue-black, cherrylike fruit in the fall. Only on large estates and home grounds does one generally find either of these two trees. I feel that if they were regarded as small street trees they would have wider use. Both of these species are susceptible to blight, however, and this would

be a disadvantage in some areas of the south.

One of the several dwarf forms of the common laurel also used in the south is the Zabel cherry laurel (*P. laurocerasus zabeliana*), with long, linear, strap-shaped leaves. Its growth habit is similar to that of Pfizer juniper. It makes a desirable facing tree for large plantings, or it can be used satisfactorily in a home foundation planting. There is a considerable name variation in the plants listed as *Prunus laurocerasus zabeliana*, and I think there may be some confusion in the trade with the variety *angustifolia* or narrow-leaved cherry laurel. I have known *P. laurocerasus zabeliana* to be hardy in some sections of Ohio, but it is seen more commonly throughout the south.

Osmanthus Species

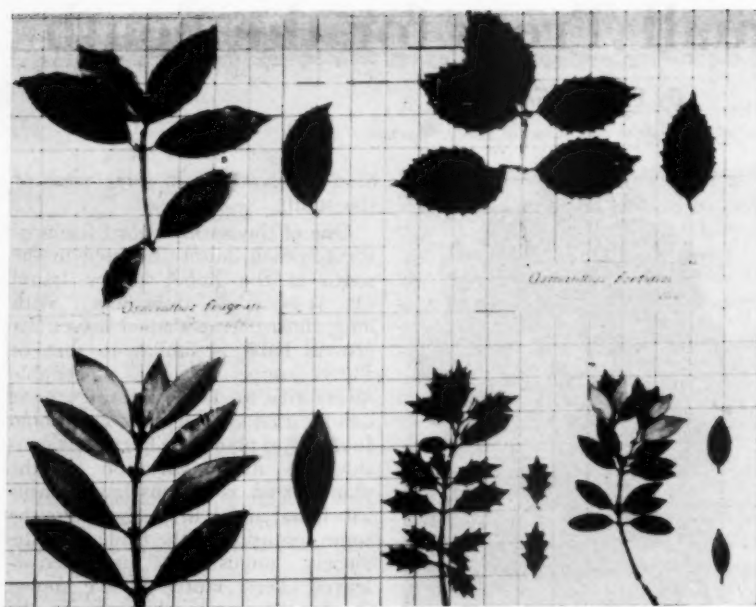
Another interesting group of plants found in the south is *osmanthus*. The devilwood (*O. americanus*), native throughout the south, is an attractive evergreen tree with linear foliage that is often three to four inches in length. In its native habitat, the plant normally is found in moist places along streams and in lowland areas. It does well when transplanted under most soil conditions and is relatively free from insect damage and diseases. As with most *osmanthus* plants, it has fragrant, white flowers borne through the winter and followed by blue fruit, which is not conspicuous in the



Heavy berry cluster and large lustrous foliage of *Idesia polycarpa*.



Idesia polycarpa, seldom seen in the south, merits greater use.



Foliage of four osmanthus species found in the south: Top, left, *O. fragrans*, sweet osmanthus; right, *O. fortunei*, Fortune's osmanthus; bottom, left, *O. americanus*, devilwood osmanthus and, right, *O. ilicifolius*, holly osmanthus.

spring. There is considerable variation in devilwood, as it is found under native conditions. The trees are handsome and have a wide variation in leaf form and growth habit. The plant sometimes should be selected and propagated, but propagation from cuttings is somewhat difficult; so most plants generally are grown from seeds. This is another plant that is not regarded as a desirable landscape plant, primarily because of its large size; however, rather than appearing in a foundation group, it should, I feel, be used as a border tree or as a specimen tree, so that one can really appreciate its full beauty.

There are several other tea olives, or osmanthus species, hardy in the south, that generally are not considered small trees, but more often are thought of as large shrubs. One of the favorite trees in the lower south is the sweet osmanthus (*O. fragrans*), which has been prominent in southern gardens for many years. Old specimens of the plant with picturesque trunks and branch habits can be found. It is a medium-size evergreen plant with leaves three inches in size or larger. The plant is primarily noted for its attractive white, fragrant flowers that appear in the fall and early winter. This plant is not normally considered hardy north of Atlanta, Ga., but it is used often as a conservatory plant or in greenhouse foliage work because of its attractive appearance. There is an orange-flowered form of

sweet osmanthus, variety *aureus*, also found in the south, which in flower is even more showy than the common form. The orange flowers are somewhat larger and, in contrast to the dark green foliage, show up well.

Osmanthus ilicifolius

Holly osmanthus (*O. ilicifolius*) is hardier than sweet osmanthus and is a handsome evergreen, with dark green foliage that is similar to the foliage of holly except that the leaves are opposite or subopposite, while holly leaves are borne alternately on a stem. This condition is true of all osmanthus plants, and, while they are oftentimes called holly plants because of their leaf shape, the plants easily can be recognized by examining the position of the leaf on the stem. Holly osmanthus is an excellent ornamental shrub and can be grown as a small tree up to 18 to 20 feet in height. It does well in sun and partial shade and under average soil conditions. As does the sweet osmanthus, it blooms in the fall with fragrant flowers.

Another plant of the species that is known as Fortune's osmanthus is a hybrid between *O. ilicifolius* and *O. fragrans*. It is somewhat hardier than the sweet osmanthus, but it is not nearly so hardy as the holly osmanthus. The leaves of this hybrid species are medium green and have numerous spines around the margin. The leaves are intermediate between the two species in size and average

two to three inches in length. The plant is dense and compact in its form and may reach a height of 15 feet or more. This plant is used more often in foundation plantings and as a specimen plant and might also be used as a small tree. It can add a great deal of interest during the fall and winter months with its fragrant, white flowers.

Chinese Tallow Tree Popular

Another tree that is gaining in popularity in the south is the Chinese tallow tree (*Sapium sebiferum*). The tree is often thought of as being related to the poplar, for the leaf is similar to that of the poplar in outline and is a lustrous green during the summer. The outstanding characteristic of the foliage is the attractive deep orange to orange-red foliage color in the fall. It is relatively fast in its rate of growth, reaching a height of 40 feet, and the form is somewhat open and irregular. The tree is relatively free of insect and disease pests and is adaptable to a wide range of soil conditions.

The fruiting habit of this tree is interesting and ornamental. The white seeds are borne in a capsule, and after the capsule dries and opens, the white seeds remain inside the capsule for several months before dropping. They are quite effective as a contrast to the colorful foliage and again after the deciduous foliage has dropped, since the fruit persists for some time. The seeds are covered with a waxy substance used by the Chinese for making candles and soap.

A tree seldom seen in the south is *Idesia polycarpa*. It has no other generally accepted common name. The tree grows to 40 feet and has handsome, large foliage and attractive orange berries. The large, lustrous, deciduous leaves, often reaching five to 10 inches in length, are borne on relatively long, red petioles. This tree, with its smooth, grayish-white bark and its spreading branches forming a round head, is an attractive sight. The greenish-yellow flowers generally are not too conspicuous, but the large, orange-red berries are showy in the fall and are borne in long pendulous raceme clusters, often 10 to 12 inches in length. This heavy-fruited mass is striking in the fall. The tree grows readily from seeds, and there seems to be no difficulty in soil types; furthermore, from writers' indications, I should even believe the tree to be somewhat drought tolerant, which would make it favorable for wide use in the south.

[Continued on page 44]

Re
ceived
try
ican
defin
few t
perien
reason
ern fr
Florid
in the
while
cent
Last
retain

It
work
the ar
The f
total
contin
summ
their
plant
Dry s
ging
and
abrup
The f
of fail
Yet t
work
chiefly
spring
work
Pen
tell of
the ste

Va., an
Americ
archite
and Mo
large m
look th
and the
were pr

Retail Reports Show Gains, Losses

Promotional Efforts, Adverse Weather Conditions Are Important Factors

Reports on their fall trade received from retailers about the country in time for this issue of the *American Nurseryman* include several definitely favorable comments and a few that suggest less favorable experience for one or more possible reasons. The states across the northern fringe of the south, along with Florida, cite good gains; Ohio turns in the best of the northern reports, while on the west coast, a 20 per cent gain is told for the Bay area. Last year's figures are probably well retained over all.

It is apparent that promotional work played an important part in the areas where gains are mentioned. The fall percentage of the annual total volume of the trade seems to be continuing its climb. Yet adverse summer weather conditions have their effect in deterring homeowners' planting enthusiasm, it is gathered. Dry summer weather hampered digging operations in several districts, and early freezing stopped work abruptly in some northern localities. The fall season might be considered of fairly short duration this year. Yet the potentials of the season's work are clearly felt by nurserymen, chiefly as relief for the strenuous spring rush. Advances in landscape work up to 100 per cent are cited.

Pennsylvania and Illinois reports tell of definitely adverse effects of the steel strike in the attitude of po-

tential buyers. But in other areas better grades of plants were desired and there was little price hesitancy. Less is said of sales of hard goods this fall, planting seeming to form the bulk of the activity. Spring bookings are consistently reported heavy, partly because of incompleting work this fall. Some slowness of collections is referred to in the records. Delivery costs pose an increased problem.

New York Season Unfavorable

L. S. MacRobbie, Oak Park Nurseries, Inc., East Patchogue, L. I., N. Y., reports unsatisfactory conditions in a letter dated November 27:

"Our fall sales through November 15 are just about equal to those of 1958, but shipments are off about 44 per cent. Lack of rain during September created a serious digging problem; we could do no appreciable amount of digging until almost the middle part of October. We do not expect to make up all that lost time, but we are busy at the end of November.

"This has been a season of deferred decisions on the part of landscape customers rather than sales lost to competitors. Poor summer weather had its influence on prospective landscape customers. Shade tree bids to municipalities have been far too low—so low, in fact, as to indicate panic.

"All in all, so far it has not been a

satisfactory season for us, but it may wind up better than it looks now."

Strike Affects Pennsylvania

The steel strike brought a poor season to retail salesyards in most areas of western Pennsylvania, but suburban development and urban redevelopment kept landscape firms busy, according to John M. Eisler, Eisler Nurseries, Butler, Pa. He writes:

"The prolonged steel strike, which meant unemployment for hundreds of thousands of men in western Pennsylvania and their loss of earning power during the fall planting season, reflected a decrease in sales of all merchandise, including nursery stock.

"The firms that depend on sales lots for their only source of income have been hit hard and find themselves with a great surplus of items that generally move in the fall, including Dutch bulbs, which are ordered far in advance of the selling season.

"This was true in all areas that depend on steel production, except those around a few isolated mills, such as the nonunion Armco Steel Co., Butler, Pa., that kept operating at full capacity. Our immediate area did not suffer from unemployment to any great extent.

"The firms that do landscape work have been busy this fall and

LANDSCAPING FOR REYNOLDS METALS OFFICE WINS A. A. N. AWARD



A formal reflecting pool, 100x300 feet, fronting the hollow square office building of the Reynolds Metals Co., Richmond, Va., and lined on two sides with a double row of willow oaks that can be illuminated at night is a major feature of this "Plant America" award winner in the 1960 industrial landscaping competition of the American Association of Nurserymen. The landscape architect for the project was Charles A. Gillette, Richmond, Va., who was special consultant to the architects, Skidmore, Owings and Merrill. The major planting contract was handled by Ray Gustin, Gustin Gardens, Rockville, Md. Within the square are a large magnolia tree and a group of American hollies. The brick podium on which the first-floor executive offices front and overlook the pool, hold beds of seasonal flowers and precast stone flower boxes of geraniums. A breezeway contains camellias in pots, and the parking lot, surrounded by Ilex vomitoria, has crape myrtle and Kentucky coffee tree plantings. Names of other winners were printed in the previous issue of this magazine.

have contracts that will carry them over until next year. The construction of so many schools and the redevelopment of Pittsburgh has kept us who do landscape work going at full speed. The jobs have been well divided, and it seems that all firms are getting their just share.

"The population move into the suburbs in this area has meant a great change in our living. The towns are getting smaller and the rural areas are faced with an exploding increase in population. By the time that they get a new school finished in some areas, it is too small and they have to start new additions at once. This all means extra work for the landscape contractors.

"The weather has been good so far, and, with continued good weather, we will all be very busy this winter and again next spring."

Hot, Dry Weather at Pittsburgh

A fall season shortened by adverse weather conditions is reported by Stanley W. Leonard, Leonard & Leonard, Pittsburgh, Pa. He notes, however, encouraging signs that consumer plant knowledge is growing while resistance to higher prices is diminishing. He writes:

"Unprecedented hot and dry weather extending far into the fall this year will prevent us from filling all our fall orders by December 1. Last year, a cool, wet year, we did more fall business, because we started planting sooner.

"My fall business amounts to from one quarter to one third of my spring business. It is easier to complete, since I am not racing with advancing warm weather, which makes plants leaf out or makes yew too soft to handle. My greatest concern in the late fall is getting caught with unfinished jobs.

"It is a little early yet to say, but it looks as though business for fall, 1959, will be at least as good as that of other falls, though I know there will be a considerable carryover to spring, because of the freezing weather that comes in early December.

"As I review the past few years, I find it is much easier to get more money for shade trees. It is also easier to get more money for Japanese yew plantings. Two years ago we would figure \$10 each for a *Taxus hicksii* planted and guaranteed; now, one has to get a couple of dollars more.

"When a half dozen customers from different parts of your district ask for *Euonymus alatus compactus* and are willing to pay for large plants of it, you know many of your

customers are past the grammar grades in plant knowledge."

Massachusetts Increase

Harold D. Stevenson, Harold D. Stevenson Landscape Service, Marshfield, Mass., writes as follows:

"My landscape business is private work and the amount is only that which I feel I can handle and supervise carefully. My autumn business this year was 45 per cent of the year's total. That is 5 per cent more than last year and, if my new house had not taken some of my time, it would have been more. Conditions have been favorable in this area for landscape work."

Maryland Demand Steady

Edward L. Stock, Jr., notes a waning of the do-it-yourself trend in this report of a satisfactory season at the Stock Nursery, Bethesda, Md.:

"Autumn business in the Washington, D. C., suburban area has continued to follow the spring and [Continued on page 49]

ARBORISTS AWARD TWO

Meeting in Marshall Hall, New York state school of forestry, Syracuse, N. Y., November 7, the Western New York Arborists' Association cited two men of the park system of Rochester, N. Y., for outstanding horticultural achievements. Barney Slavin, retired superintendent of the city's parks, drew special recognition for his pioneer work in the selection, propagation and use of smaller-maturing tree species and forms for embellishing city streets and limited home grounds. Jacob Gerling, now superintendent of building maintenance, was cited for his use of better adapted species for functional and



Jake Gerling

ornamental service, and particularly for his success in furthering the efforts of Mr. Slavin.

Mr. Slavin began selecting and testing trees in 1915, after starting work with the Rochester park department. He preached the fallacy of using any one genus too consistently in an area and visioned the growing conflict between street trees and utility installations. Among his many selections are his upright forms of Norway maple, American linden, black maple and elms. Rochester streets today attest his practical foresight.

Now retired after 51 years' service, Mr. Slavin leaves Durand-Eastman park as an outstanding example of park planning and planting. Most of the material used in planting this area was grown by Mr. Slavin from seeds, cuttings and scions supplied him by notable plant collectors.

Keenly aware of the pressing need for extensive applications of Mr. Slavin's methods of street embellishment and that few of the more desirable tree forms and species were generally known or available, Mr. Gerling has, for the past 20 years, devoted much time to minimizing these limiting factors. In his campaign to publicize Mr. Slavin's theories, he has given lectures at state universities, to arborists' associations, at meetings of city foresters, before landscape workers' groups and to garden clubs in many cities. He has also authored articles on the subject for leading publications within the nursery, city planning and gardening fields. Through his persistent efforts, homeowners are now offered many of the newer functional trees ideal for shade or ornamental specimens, and their production in quantity permits their use in comprehensive street tree programs.



Barney Slavin

O
new
Nurs
plan
bran
have
type
consi
other
man
expe
name
ious
diffic
As
make
whet
lecte
ising
thoug
gram
whet
have
ient
whet
and
the c
lean
Of
the o
ly is

WI
One
winner
and in
sponso
of Nur
issue o
of the
Water
outskin
kane
employ
city a
site lay
project
ordina
Lawren
Franci
Brooks
zar, S
tractor
Water
power
which
power,
dens.
in run
through
ing up
here, w

What? When? How Much?

Purchasing Stock for A New Retail Salesyard

By William Flemer III

On many occasions each year newcomers visit us at Princeton Nurseries, Princeton, N. J., with firm plans to enter the plant market branch of the nursery industry. Some have already had experience in this type of business, some have had a considerable background in some other part of the industry, while many more have never had nursery experience of any kind. The last-named inquirers are the most anxious for advice and also the most difficult to counsel.

As conscientious wholesalers, we make careful efforts to determine whether the location they have selected for the new venture is a promising one, whether they have given thought to a sound publicity program to attract potential customers, whether the salesyard layout they have planned is adapted to convenient and economical operation, and whether they have sufficient capital and backing to carry them through the early years, which are normally lean ones.

Of all the questions we are asked, the one which occurs most frequently is "What shall I buy?", and the

next most frequent one is "How much shall I buy?" These are honest and trusting questions and they deserve the most careful and truthful answers we can give.

What To Buy

Of course, it is as impossible to tell the newcomer accurately what varieties and how much of each he will sell as it is for a stockbroker to tell his clients exactly which stocks will rise in value and how far they will climb. Nevertheless, just as the broker's client is tactfully steered away from "Belle of the North Goldmine Shares" and into a list of sound, tried and proved stocks, so the beginning nurseryman can be wisely directed to start with varieties which are proved acceptable in his own area.

There are slow tides of popularity which almost imperceptibly affect the sales of individual classes of plants in a surprisingly regular cycle. There are sudden unpredictable increases in the sales of an individual plant, due perhaps to a widely read magazine article or some larger firm's intensive advertising program.

But, quite aside from these changes, it is relatively easy to suggest a considerable list of plants that will sell in a given community and to give sound advice on when to buy, where to buy and how to buy. Since this discussion refers to the region surrounding New York and Philadelphia the suggestions on what to buy will not apply to the harsher climate of Chicago, the heat of the deep south, or the mild climate of the west coast, for example.

When To Buy

For several reasons the most effective time for the plant market operator to plan and make his purchases for the two big selling seasons ahead is at the end of the summer growing season. By then the growth of the crops in the field or containers has been completed and the final quality of the product is evident for both the fall and spring seasons.

Also at this period when the big job of cultivating, trimming, weeding, staking, and other operations is completed and before the rush of fall digging has commenced, the wholesaler has ample time to devote to the "early bird" customer, showing him what is available and discussing his plans and purchase list.

There are certain mild but definite psychological factors which favor the buyer at this time, too, for the grower has gone through a long summer stretch and, seeing full fields of prime stock, what grower does not wonder (even subconsciously), "Where will it all go?" Even the stoutest hearted among them is anxious to "get a leg over the fence" for

WINS LANDSCAPE AWARD

One of the "Plant America" award winners for 1960 in the annual industrial and institutional landscaping competition sponsored by the American Association of Nurserymen and cited in the previous issue of this magazine was the landscaping of the headquarters of the Washington Water Power Co. well situated on the outskirts of Spokane, Wash., on the Spokane river. Planned to serve not only employees, but also as a park for the city as a public relations gesture, the site layout and landscape design for this project, developed on 28 acres, were coordinated by the landscape architect, Lawrence Halprin & Associates, San Francisco, Calif., with the architects, Brooks & Walter, Spokane. Edward Balzar, Spokane, was the landscape contractor.

Water, which is the chief source of power for the business, a private utility which owns and installs dams for electric power, serves as the theme for the gardens. These waters are carried around in runnels, in jets and in fountains, through various parts of the garden, ending up in the decorative pond pictured here, which serves as a water reservoir.



fall and spring sales and his plant market visitor is a welcome one.

Last and most important, never again until the same period next year is the grower's assortment so complete in sizes and varieties available. The wise purchaser who reserves both fall and spring requirements at this period has his pick of the scarce varieties and sizes in greatest demand and thus secures a marked advantage over his competitors.

The second most effective time to buy is in the early spring, February if possible. At this time previous reservations for spring delivery can be readjusted on the basis of the past fall's sales experiences, where applicable, and on a clearer guess as to what the spring will require. Here, again, assortments available are still far more complete than they will be in late March, for example. Most wholesalers dig orders on a basis of first come, first served, favoring the orders which were placed farthest in advance of delivery date. An order placed at this period for delivery at that magic time in the middle of

April will be received more surely than one placed on April 1.

Also in early February, surpluses begin to become apparent, and special purchases for "leader" sales or promotional campaigns can be arranged. In any event, as in the case of the end of summer purchase, the early buyer scores over his more dilatory competitor.

Where To Buy

Except for a few specialized groups of plants that are produced in distant locations with especially favorable climate conditions, local growers are the best sources for the plant market, especially if the buyer is inexperienced. A most important reason is that the stock received will be in a stage of growth that is normal for the area in which it is to be sold. This is especially important in the case of plants like magnolias and azaleas, which enjoy their best sales when nicely in bloom.

Locally grown stock is also acclimated to local soils and climate, a minor but definitely favorable fac-

tor. Furthermore, delivery charges increase as the distance between source and customer increases, markedly so in the case of B&B or container-grown stock.

Nearby customers can advantageously arrange pickup by their own trucks and thus have the loading supervised by their own drivers and also greatly reduce transportation charges. Finally, the buyer can learn to know his supplier personally, which is a great advantage for arranging special orders, carefully meshed delivery or pickup schedules, and other favorable considerations.

What To Buy

In general, especially for new plant markets, one size of each plant carried is enough to stock. There are exceptions in the case of especially popular varieties and in more established operations with more capital to tie up. A rough guide for a new business would be to begin with the following grades for each class of plant:

[Continued on page 92]

All-America Seed Selections

Snapdragons, marigolds and phlox supplied All-America Selections for 1960. Included was a new F₁ hybrid snapdragon series, an extremely heat-tolerant Rocket class, available in six varieties: Red Rocket; Golden Rocket; Rose Rocket; White Rocket; Orchid Rocket, lavender, and Bronze Rocket, tangerine in color. Plants branch from the base to produce 10 or more tapering spikes with many large, well-spaced flowers open at a time. They are the first hybrids bred for long-day blooming, flowering even in the midsummer heat of the western corn belt. Three crops have been cut from the same plants before hard freezing weather. Red Rocket blooms a little earlier than the others and has distinctive reddish foliage and stems, while the foliage of the other five varieties is bright green. Each variety is an All-America Selection, and the originator's formula mixture may also be featured as an A. A. S. winner.

Another 1960 selection, Vanguard snapdragon, an F₁ hybrid, is the first-double-flowered snapdragon to merit an All-America award. Blooming ahead of the Rocket class, Vanguard's 30-inch tapering spikes, which are base branching, have large, well-placed flowers with extra petals and petaloids. Its rose-pink flowers are enhanced by golden-yellow lips.

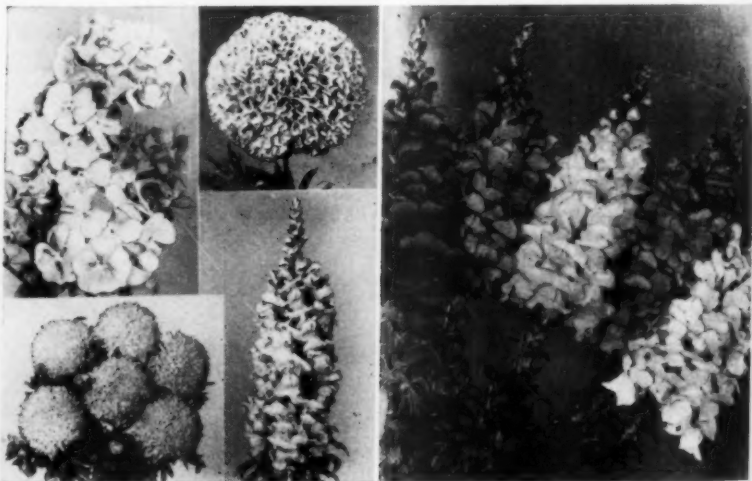
Glamour, a new tetraploid annual

phlox blooming through the summer and fall, is of mid-salmon color, shading deeper to a creamy white eye, and has flowers up to one and three-quarters inches across, borne in graceful clusters or umbels on 12-inch stems.

Toreador, one of the winning marigolds, has ruffled, full-double orange flowers and blooms more freely and earlier than the other giants of the Climax group of F₁

hybrids. The 3-foot bushy plants of deep, rich green provide long-lasting cut flowers as well as a garden display in late summer and fall.

Spun Gold, another winning marigold, is an early bloomer. Growing only 10 to 12 inches tall and wide, its dwarf, compact bush is abundantly covered with chrysanthemum-type, golden-yellow flowers to three inches across. Open-pollinated, not a true hybrid, this marigold comes uniform and true, the plants being declared desirable for low borders, edgings, beds and potted plants.



All-America Selections for 1960 included (right) the Rocket series of snapdragons (six colors) and left (above) the Glamour phlox and Toreador marigold, (bottom) Spun Gold marigold and Vanguard snapdragons.

Hollies Gain Favor As Useful Landscape Plants

By Albert S. Beecher

The use of hollies in landscape work has grown at a phenomenal rate in recent years. Many landscape nurserymen and landscape architects are using hollies extensively in the plantings around public buildings, offices, shopping centers and industrial units. Hollies are also gaining popularity in home landscaping as homeowners become better acquainted with their landscape possibilities. Until recent years, the average homeowner was acquainted only with the native holly, *Ilex opaca*, and usually associated it more with Christmas decorations than with landscape work.

The work of the Holly Society of America in recent years has helped to acquaint nurserymen, garden editors and homeowners with hollies. Such publications as the "Handbook of Hollies," published by the American Horticultural Society in cooperation with the Holly Society of America, and the book "Hollies," by H. Harold Hume, have helped to give more detailed information about the types and culture of this plant group.

Popular articles in garden magazines and in the garden sections of newspapers have created more interest in the hollies. The establishment of test gardens by the Holly Society of America at some of the colleges and arboreta has made it easier for the public to observe and to evaluate some of these plants.

The women of America, through their garden clubs and home demonstration club activities, have helped immeasurably to create interest in hollies. When Mrs. Jones wins a blue ribbon at the flower show with her perfect specimen of *Ilex opaca* Slim Jane, others take notice and decide they want this or that plant in their yard.

Versatile Group

A major factor in the growth of the popularity of this plant is the fine qualities found in the holly group. There are many varieties with attractive foliage or colorful fruit in

varying sizes, shapes and rates of growth. As far as their landscape use is concerned, there are hollies suitable for hedges, barriers and screens; foundation planting; ground covers; shade, and specimen or accent plants.

Hollies may also be used in topiary work to furnish a decorative garden feature. In short, hollies fit well into the palette of plants available for landscaping the small home, public building, park or roadside.

The use of hollies in American gardens is not a recent development. Some forms have been available since colonial times when the early settlers found such plants as American holly (*Ilex opaca*), Yaupon holly (*Ilex vomitoria*) and Dahoon holly (*Ilex cassine*). The gardens of Mount Vernon and Colonial Williamsburg are evidence to the early popularity of these native hollies.

From the colonial period until recent years, no great use was made of hollies in landscape work. Many exotic species of hollies were introduced and were little known except to scattered small groups of horticulturists, plant collectors, nurserymen and arboretum directors. Now a resurgence of interest in hollies has developed.

Hollies Readily Available

Hollies are now readily available in many chain stores, department stores and in nursery and garden centers. This is the age of "Charge it" and "Do it yourself." Does the

person who carries home an *Ilex cornuta* or an *Ilex aquifolium* have enough knowledge of the potential size or capabilities of some of these plants to locate them properly in the home ground development in order to create in the years to come an interesting composition?

Indiscriminate use of hollies, especially in the foundation planting, without proper thought to the principles of planting design, may produce a situation similar to the one that occurred in the era of arbovitae. These plants and other conifers lost favor with the general public because most people did not realize their potentialities, and too many homes looked alike.

Planting Needs Design

Holly enthusiasts must be careful not to create in their yards a mere collection of plants lacking in an over-all design. For those who are interested in having a collection or in trying out or observing the characteristics of new hollies, the establishment of a separate planting area might be advisable.

The keynote to successful landscaping is good design. If full benefit is to be derived from these beautiful hollies in landscape work, they must be skillfully blended into a pleasing composition. In the discussion of design that follows, I shall limit my comments to the use of hollies in the living area, in foundation plantings and in larger-scale projects. Let us first consider hollies in the outdoor living area.

When I speak of an outdoor living area, I am not only thinking of that portion of the yard that is set aside for outdoor entertainment, family relaxation, outdoor eating and recreation, but I am also thinking of the area that is visible from the living room or dining room and that pro-



Hollies, in Various Forms, Predominate in This Industrial Landscape

An address, "Holly in the Landscape," presented by Albert S. Beecher, extension landscape specialist, Virginia Polytechnic Institute extension service, Blacksburg, at a meeting of the Holly Society of America held at Richmond, Va.

vides year-round aesthetic enjoyment.

The outdoor living area should be considered as an extension of the indoor living space. Many modern homes, with their predominance of glass, offer excellent opportunities for the architect and landscape architect to blend these areas together. One can often develop a better transition from the indoor to the outdoor

living area of an older home by adding a door to the living room or dining room that will permit easy access to the outdoor living area from the house.

Consider Family Needs

Before the landscape architect or landscape nurseryman can prepare a plan, decisions have to be made by the

[Continued on page 87]

Christmas Hobby Shop Proves Garden Center Profit Builder

By Richard B. Kilner

For the past four years the McDonnell Nursery, Walnut Creek, Calif., has converted its garden store into a Christmas hobby shop during the fall months. The original intent was just to bring some gift and decorating items in briefly before Christmas to attract customers when things were ordinarily slow in the nursery. Year by year, however, the firm has expanded this project, because of the customers' interest. This year the hobby shop was opened the first part of October, because women wanted to get materials early to work on arrangements for Thanksgiving as well as other fall occasions when such decorations would be appropriate.

During the first month of this promotion, the emphasis is on artificial fruits and dry materials. By Thanksgiving, the emphasis and most of the space are devoted to Christmas items.

A typical advertisement in the local newspapers will read, "McDonnell's Christmas hobby shop now has its usual large selection of dry materials, artificial fruits, Christmas ornaments, Styrofoam, personally selected by Kathryn Smith." Kathryn Smith is usually in the store all day. She answers customers' questions, gives them ideas and demonstrates how to make arrangements. As she completes arrangements, these are placed around the store, and sometimes the customer will want to buy an arrangement or find out how it was made, buy the materials and make one like it herself.

Take Half Store Space

More than half of the garden store is devoted to the special items brought in specifically for the seasonal promotion. In the remaining area are those house plants, planters

and gift items which are carried the year around, but are highly appropriate at this time of the year. The seasonal materials are displayed in the area usually occupied by packaged goods and garden supplies.

All the shelves around the walls that ordinarily carry fertilizers, insecticides, etc., are now filled with ornaments and other decorative items. The display tables, featuring the arrangements and decorating materials, have replaced the movable gondolas, which were used for the garden supplies and special displays. In McDonnell's ultra-modern, new garden center, which has been occupied for less than a year, it was possible to move the gondolas out of the garden shop under a Fiberglas-covered display area that is actually a part of the nursery. This has worked out so well that the firm is considering leaving the garden supply items outdoors permanently. From almost every standpoint the plan has worked well thus far, but the winter rains and accompanying dampness will probably give a final answer to the feasibility of this idea.

Due to the success of the hobby shop in attracting customers to the nursery during the months at the end of the year, McDonnell's is planning to expand the use of the garden store during other months of the year. For instance, after Christmas decorations and ornaments go, there will be a concentration on house plants, planters and related items. Later there may be a move into other decorative and giftware items that customers might logically purchase in such a store.



A section of the McDonnell garden shop featuring artificial fruit and fall arrangements before Thanksgiving.



Christmas ornaments at left, dried materials in center aisle attract customers who like to make their own festive holiday arrangements. In the background are giftwares and planters featured the year around.

County Agents Discuss Nursery Merchandising

By Robin Todd

At their recent meeting the southeastern district county agents of New York state discussed merchandising at White Plains, N. Y. They saw and discussed informally the mass merchandising methods, which is a relatively new conception of horticultural merchandising, and they compared it to the traditional nursery operations at a typical roadside stand.

The typical nursery operation used as an example was that of Rosedale Nurseries, Inc., Hawthorne, N. Y. Here Douglas E. Bean, landscape architect, showed operations from the landscaping department through and including the nursery center. This established nursery is meeting the competition in sales of nursery stock with a well-run garden center. The procedure is a demonstration of the changes that must be made to keep such an operation successful. The center is well laid out, the nursery stock was well labeled and marked, and part of the display stock was enclosed in a lath house. Most of the materials were in containers, although some were merely balled and burlapped.

Offering Service Important

The traditional nurseries can successfully meet competition by offering services and by developing their own personalities, it was advised. One method is for nurserymen to know the products sold and how they will react under local conditions, following up their application with a visit, especially if herbicides have been sold and complicated directions for procedures are necessary for a successful operation. Quite frequently the nurseryman can point out errors made by homeowners if the procedures have not been working satisfactorily. Other services can be offered, such as deliveries, and as at Rosedale's, other departments, such as landscaping, etc.

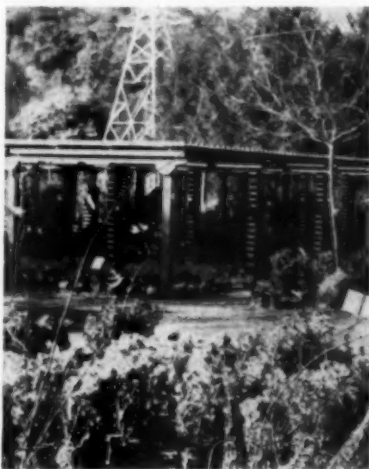
It would appear that the traditional nurserymen are becoming specialists, in that they are usually selling the bigger nursery stock, or the unusual, and always the quality materials. In addition, they often know the best forms of local advertising, such as in weekly newspapers vs. direct-mail advertising. Usually the di-

rect-mail procedures are best for small centers that have a selective customer appeal, but they must capitalize on this, as it will soon be copied by aggressive managers of mass nursery outlets.

Even a small roadside nursery operation was viewed at this meeting. The owner's primary income is from landscaping, although he operates the stand as a sideline. Such operations are best if they imitate established nurseries and develop various services. Usually these operators lack managerial experience and, more important, capital. There is a rapid turnover of small centers. Most of these small operations fail, or the owner gives up this phase and concentrates entirely on landscaping or some other aspect of nursery work. However, a few hang on and develop into successful traditional nursery operations.

Non-Trade Outlets

A new mass outlet in Westchester county visited by the agents was S. Klein, or Klein's-on-the-Square. This establishment was thought to be typical of the department stores in metropolitan areas which are selling nursery stock, as well as discount houses and other mass outlets. Such outlets usually have a definite merchandising policy. Usually they sell nursery stock at lower rates than tra-



Garden center of Rosedale Nurseries, Inc., Hawthorne, in Westchester county, New York.



S. Klein, On-the-Square, White Plains, N. Y., an example of mass merchandising.

ditional nursery operations and perhaps can do so because of the volume that they sell.

At Klein's, a large greenhouse 60x200 feet, plus a large nursery center sales lot, is equipped for outdoor trade. The customers have the use of supermarket carts, which they can use both outdoors and indoors to pick up many inexpensive garden plants and garden supply items. Large signs indicate each type of plant, and each of these signs tells a story, gives the price and sells.

Managers of mass outlets usually make wonderful displays en masse, showing prices. They are usually colorful and keyed to sales at specific times. Such leaders get a large amount of traffic through the nursery center. Usually the managers are not horticulturists, but merchandisers, and everything is sold at a profit or as a come-on.

Usually, also, one important point that is adhered to is to feature nursery stock in keeping with the season. Seasonal sales are stressed. Usually tie-ins are built around the leaders, such as fertilizers, tools, insecticides, fungicides and herbicides, which all tie in together. The whole theme seems to be to tell a story and then sell an idea, and the customer usually buys two or three items.

GIVEN recently to the Plattsburgh Air Force Base, N. Y., by A. Judson Evans, Wyoming Valley Nursery, Wyoming, Pa., was a 14-year-old specimen *Franklinia alata*. The rare native American tree was planted to commemorate completion of the Capehart-Rains housing project at the base, for which the Wyoming Valley Nursery was landscape contractor.



Illustration A—The Korean boxwood is an excellent choice when a neat, cushionlike form is desired.

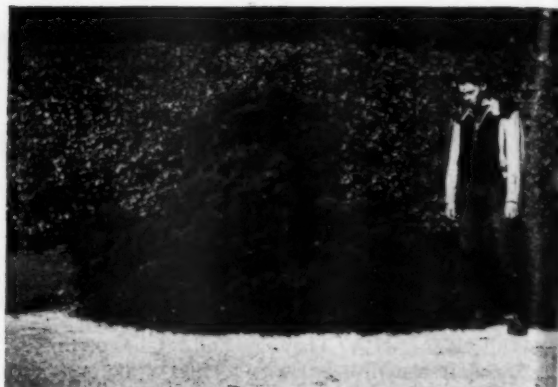


Illustration B—The Gregory form of Norway spruce adds an effective, unusual touch to the landscape.

Tips for Better Landscapes

Cushion and Mushroom Plant Forms

By Clarence E. Lewis

Department of Horticulture, Michigan State University, East Lansing, Mich.

There are many forms of plants that find their way into the landscape, sometimes improving it to a certain degree, while at other times they do just the reverse.

Certain forms are difficult to use, particularly those which are round and dense, but some of them are quite interesting and can be used, despite their fullness, in other ways than as hedges.

The cushion and mushroom forms can complement an area or be fittingly combined with the surroundings; although they vary considerably in their texture, depth of green and over-all appeal, they should not be regularly nor symmetrically arranged. Plants of cushion form vary from those of mushroom form in that the former are flush with the ground, while the mushroom-form plants grow on short stems or standards.

Some examples of varying tex-

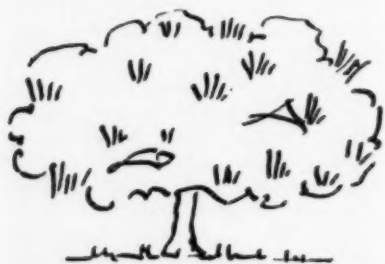


Illustration C—This mushroomlike form is often seen in the dwarf white pine. Other plants may be trained to a similar shape.

tures in cushion forms include the dwarf Japanese hollies that have distinct leaves and a fine texture, such as *Ilex crenata* Green Cushion and *Ilex crenata* Kingsville. In contrast one might obtain a coarser texture in this form by pruning the large-leaved winter creeper, *Euonymus fortunei* vegetus, forcing it into a compact, cushionlike growth, although it may be necessary, in time, to allow it to grow bigger each year.

A further variance of texture can be obtained by using the Snowflake candytuft, *Iberis sempervirens* Snowflake, as well as the nest spruce, *Picea abies* Nidiformis, or clipped forms of dwarf and dense Japanese yews, *Taxus cuspidata* nana and *T. cuspidata* densa.

The plant cushions can be used to advantage if they are grouped not with competitive plants but with entirely different material, such as small stones, possibly colored concrete; redwood walks and backgrounds, or perhaps even wood chips. Odd numbers of plants should be used, spaced at different distances from one another. This type of plant and placement should be used in a landscape for the individual who has an imagination and in locations that are not routine in style.

There are many shrubs of this type that can be used. Of the Japanese holly group, the following might be selected: Heller holly, *Ilex crenata* Helleri; Stokes holly, *Ilex crenata* Stokesi, and Hetz holly, *Ilex*

crenata Hetzi. Although the last-named plant would require cutting, its coarser texture is sometimes useful.

The boxwood group, of course, might well compete with the hollies mentioned, or be grouped with them. A Korean boxwood as shown in illustration A could be used, or others such as *Buxus microphylla* Compacta and *Buxus microphylla* Green Pillow.

The Gregory spruce, *Picea abies* Gregoryana, is an unusual cushion but certainly usable, as can be seen in illustration B. It seems to billow up on itself and provides a pleasing



Illustration D—The high mushroom, or umbrella, form may be observed in *Pinus densiflora* Umbraculifera.



Illustration E—The Globe red cedar is an unusual plant but one that is not easily obtainable in the trade.



Illustration F—Weeping red cedar can be used to create an interesting contrast with the globe form.

contrast with some of the other less billowy types. When using such spruces as the Gregory or nest spruce, one must always watch for strong shoots and cut them out as soon as they appear. There is a tendency for these forms to revert to the growth more typical of the species. The same is true of other slow-growing plants, and the Albert spruce is no exception.

Some cushion plants can become much larger than those mentioned, among them pruned specimens of northern bayberry, *Myrica Pensylvanica*, and perhaps disbudded or pruned plants of star magnolia.

Mushroom Forms

The so-called mushroom shapes with short stems might be used with concrete forms or smooth stone features. I have in mind some dwarf white pines; illustration C indicates how these pines appeared, and one can visualize how they might improve a landscape. Sometimes this same mushroom growth is bigger and is typified by the umbrellalike form found in *Pinus densiflora* *Umbraculifera*. Illustration D gives an idea of the form to which I am referring. The star magnolia could be elevated easily from a cushion to an umbrella,

as might be done with other shrubs.

Some may argue that these plants are too stiff, but with dwarf white pine the stiffness is offset by its soft but needlelike texture. Some of the stiffness is also determined by the surroundings. Ground covers will loosen the effect, as will combination with colors found in nearby stone, concrete or wood. Cushion and mushroom-form plants are excellent when used together.

Strong contrasts can be created by using the globe form of red cedar, *Juniperus virginiana* *Globosa*, together with its weeping form, *Juniperus virginiana* *Pendula*. The globe and weeping forms of this plant can be seen in illustrations E and F, respectively. They provide a different color and texture than the globe forms of arborvitae and the weeping hemlock, shown in illustration G. The weeping and globe forms of red cedar require more sunlight than yews and hemlock, if they are to retain the intended shape over a period of 10 years or more. A minimum of six hours of sunlight a day is necessary, as well as a good circulation of air, the latter being often more important than sunlight.

The procumbent or trailing form of Norway spruce, *Picea abies* *Pro-*

cumbens, differs from any of the other forms mentioned. Studying this plant in illustration H, one may have not only different reactions, but they may be favorable in some cases and unfavorable in others. The form of this tree is not easily adjusted to its surroundings, but it can make the landscape more interesting.

This unusual plant combines well with wooden structures, like walks and fences that have a rustic appearance. The wood often looks better if left natural or if it is preserved with materials that do not greatly change its appearance. This tumbling evergreen also looks well with flat-growing ground covers, textured concrete, used brick or perhaps small stones. Such upright-stemmed flowers as tulips and lilies, however, should not be combined with the weeping or tumbling forms of this evergreen.

Many interesting landscapes can be created by combining unusual plants or adding to them a walk, pool, wall or just an odd-shaped piece of concrete. A series of steps, a change in grade or part of an old stump can add further interest to the landscape. One does not always know what will work until the plan is tried.



Illustration G—The distinctive weeping hemlock provides a texture and grace that are found in few plants.



Illustration H—The tumbling form of *Picea abies* *Procumbens* is not just a curiosity; it is a useful landscape plant.

FLOWERING CRAB APPLES

Well Branched — Good Caliper



	Per 10	Per 100		Per 10	Per 100
Beverly (<i>Malus floribunda</i> , red-fruiting). Buds coral-red; flowers pale pink turning to snow-white. The fruits on this variety are a showy red instead of the usual yellow.			Niedzwetzkyana (Red-Vein Crab Apple). Single red flowers, red fruit; bark and wood reddish. 40 ft.		
5 to 6 ft.....	\$16.50	\$150.00	6 to 7 ft.....	\$19.00	\$175.00
4 to 5 ft.....	13.00	120.00	5 to 6 ft.....	16.50	150.00
3 to 4 ft.....	9.50	85.00	3 to 4 ft.....	9.50	85.00
Dolgo . White flowers, large showy red fruit; good for jelly. 40 ft.			Profusion . Large single carmine flowers. Bright red fruits, bronzy-red foliage.		
5 to 6 ft.....	15.00	135.00	6 to 7 ft.....	19.00	175.00
4 to 5 ft.....	12.00	110.00	5 to 6 ft.....	16.50	150.00
3 to 4 ft.....	8.50	75.00	4 to 5 ft.....	13.00	120.00
Eleyi . Foliage red in spring, flowers vinous-red, single; fruit red. 40 ft.			Redford . The foliage has a characteristic reddish tinge; fruit is medium size, dark red. Flowers deep pink.		
6 to 7 ft.....	19.00	175.00	6 to 7 ft.....	19.00	175.00
5 to 6 ft.....	16.50	150.00	5 to 6 ft.....	16.50	150.00
3 to 4 ft.....	13.50	125.00	3 to 4 ft.....	13.00	120.00
Hops . In the spring completely covered with giant pink flowers.			Red Silver . Silver and red foliage. Crimson flowers, red fruit.		
6 to 7 ft.....	17.50	165.00	6 to 7 ft.....	19.00	175.00
5 to 6 ft.....	15.00	135.00	5 to 6 ft.....	16.50	150.00
4 to 5 ft.....	11.00	100.00	4 to 5 ft.....	13.50	120.00
3 to 4 ft.....	8.00	70.00	3 to 4 ft.....	9.50	85.00
Jay Darling . Flowers and fruit purplish-red. Similar to Eleyi.			Scheideckeri . Flowers pale pink and semi-double; yellow fruit.		
6 to 7 ft.....	19.00	175.00	6 to 7 ft.....	19.00	175.00
5 to 6 ft.....	16.50	150.00	5 to 6 ft.....	16.50	150.00
3 to 4 ft.....	9.50	85.00	4 to 5 ft.....	13.50	120.00
			3 to 4 ft.....	9.50	85.00

Other varieties available. Write for complete list.

WILLIS NURSERY CO.

"Your Wholesale Nursemeymen"

Ottawa, Kan.

COVER ILLUSTRATION

Osmanthus Fragrans

Osmanthus fragrans is an attractive species, noted for its delightful fragrance. Unfortunately, *Osmanthus fragrans* is less hardy than *Osmanthus americanus* and *Osmanthus ilicifolius*, but is commonly used in the lower south. Occasionally it is used in northern areas as a tub plant in greenhouses or conservatories.

Osmanthus fragrans is a broad, round-headed, large shrub or small tree, attaining a height up to 30 feet. The evergreen leaves are elliptic to oblong-lanceolate, three to four inches in length. The leaves are entire or with sharp, fine teeth. *Osmanthus* is often confused with holly, but the leaves are borne opposite on the stems, while holly foliage is alternate. The small, white flowers appear in the fall, continuing during warm spells, often until spring, in clusters on slender pedicels. The fragrance is a delight of southern gardens and should be used where one can appreciate the delightful perfume. The bluish-black, drupe-like fruit appears in the spring.

The sweet osmanthus is best used as a specimen plant or as a foundation plant for large buildings because of its large size. It prefers good soil, but will do well under average conditions in sun or shade.

The cover pictures a beautiful old specimen at Columbus, Ga., 75 years or more old, 25 feet high and 30 to 35 feet across.

F. G.

SEEK HOLLY INFORMATION

Harry W. Dengler, a trustee and former secretary of the Holly Society of America, announces that a complete revision of the society's "Handbook of Hollies" is under way and that any corrections, comments or items worthy of inclusion will be most welcome.

According to Mr. Dengler, information on the hardiness of hollies is particularly desired — especially from areas where the plants are not considered adaptable. Professional-quality photographs of hollies used for various landscape purposes are also sought. Any such material should be sent to Harry W. Dengler, Horticulture building, University of Maryland, College Park, Md.

OPENED during the past season was Duncan's Garden Center, Algona, Ia.

Peterson and Dering presents

Opportunities for 1960

NEW INTRODUCTIONS



"COVER GIRL" (PRR)

Pretty as a picture is this lovely new hybrid tea developed by Gordon J. Von Abrams. "Cover Girl" features long pointed buds, large high-centered blooms of bright orange touched with gold, long stems and glossy foliage.



"CORAL CROWN" (PRR)

Newest descendant of world-famous "Fashion" is this delightful new floribunda in an exciting shade of coral red. Low and compact in growth, "Coral Crown" makes an excellent choice for borders and for a mass color effect. Developed by Gordon J. Von Abrams of P & D Research Laboratories.

EXTRA SERVICES

These are the "extras" provided by Peterson & Dering that make P&D Roses more profitable to handle.

1. Every P&D Rose Bush individually labeled.
2. Every bush top-tied to minimize breakage.
3. All bushes trimmed to your specifications.
4. Free Color Pictures for every variety ordered.
5. Color Folders and Color Plate available at cost.
6. P&D Roses have pliable fibrous root systems and short shanks—easier to pot without damage.
7. Fresher stock — pool car shipments moved at 33° in mechanically refrigerated cars.

NATIONAL ADVERTISING



Peterson & Dering advertising and nation-wide publicity appear in the leading national flower magazines and newspaper garden pages throughout the selling season.

BETTER STOCK



P&D's "Super Strain" Multiflora Root—result of 20 years' development—is your assurance of hardier plants, more vigorous growth, more abundant blooms—and more happy customers.

Oregon's best source of good roses

"THE FINEST ANYWHERE"



Again it is

CHICAGO IN JANUARY!

for the largest gathering of nurserymen that will be brought together by any of the winter meetings.

Illinois State Nurserymen's Association 44th Annual Convention and Trade Show

January 10, 11, 12, 13, 1960
Hotel La Salle, Chicago

Come and visit one of the best trade shows in the industry. A large variety of nursery plants, products and supplies will be exhibited.

Program feature: Japanese beetle and its threat to nursery production in Illinois and other midwestern states.

Meetings of a number of allied national nurserymen's associations will also be held at the Hotel La Salle, January 9 to 13.

Come early and stay for the banquet and floor show on January 13. The entertainment is top-notch.

Plan to

COME TO KANSAS CITY FOR THE 70th Annual Meeting WESTERN ASSOCIATION OF NURSERYMEN

January 4, 5 and 6, 1960
Hotel Bellerive

A three-day meeting featuring a program to fit the needs of all.

"New Plant Varieties and Introductions"
"Euonymus, Varieties and Uses"
"Merchandising Through Garden Centers"
"Labor-saving Devices and New Procedures"

Banquet and Entertainment

Reservations:

Hotel Bellerive
214 E. Armour
Kansas City 11, Mo.

— or —

Jim Danbury, Secy.
4509 W. 74th Terrace
Kansas City 15, Mo.

A General Line of
FRUIT and ORNAMENTAL
TREES and PLANTS
BUNTINGS' NURSERIES, Inc.
BOX 3 SELBYVILLE, DEL.

Fine Taxus Liners Taxus henryi

14 to 18 ins., XX, \$60.00 per 100;
\$350.00 per 1000.

BROOKFIELD GARDENS
Rt. 46 Delaware, N. J.

COMING EVENTS

MEETING CALENDAR

December 30—Connecticut Nurserymen's Association, 1960 annual meeting, Waverly Inn, Cheshire, Conn.

January 3 to 5, 1960—North Carolina Association of Nurserymen, short course and trade fair, North Carolina State College, Union building, Raleigh, N. C.

January 4 to 6—Western Association of Nurserymen, annual convention, Hotel Bellerive, Kansas City, Mo.

January 4 to 6—Virginia nurserymen's short course, sponsored by Virginia Polytechnic Institute and Northern Virginia Nurserymen's Association, Fairfax, Va.

January 4 to 6—Indiana Association of Nurserymen, winter meeting, Purdue Memorial Union, Purdue University, West Lafayette, Ind.

January 5 to 7—Eastern Regional Nurserymen's Association, Inc., annual winter meeting, Statler-Hilton hotel, New York, N. Y.

January 6 to 8—Indiana Arborists Association, winter meeting, Purdue Memorial Union, Purdue University, West Lafayette, Ind.

January 7 to 9—Iowa Nurserymen's Association, annual convention, Sheraton-Montrose hotel, Cedar Rapids, Ia.

January 10—National Landscape Nurserymen's Association, annual meeting, Hotel La Salle, Chicago, Ill.

January 11—National Mail Order Nurserymen's Association, winter meeting, Hotel La Salle, Chicago, Ill.

January 11 to 13—Illinois State Nurserymen's Association, annual convention, Hotel La Salle, Chicago, Ill.

January 12 and 13—Maryland Nurserymen's Association, annual meeting, Southern hotel, Baltimore, Md.

January 13—Massachusetts Nurserymen's Association, annual meeting, Kenmore hotel, Boston, Mass.

January 14 and 15—Kansas Arborists Association, state shade tree conference, Umberger Hall, Kansas State University, Manhattan, Kan.

January 17 to 19—Virginia Nurserymen's Association, annual convention, John Marshall hotel, Richmond, Va.

January 17 to 19—New York State Arborists Association, meeting and school, Gramatan hotel, Bronxville, N. Y.

January 18 and 19—Ontario Nurserymen's Association, Seaway hotel, Toronto, Ont., Canada.

January 18 to 21—Ohio Nurserymen's Association, winter meeting and short course, Neil House, Columbus, O.

January 19 to 21—Washington State Nurserymen's Association, winter convention, Olympic hotel, Seattle, Wash.

January 20 to 22—Connecticut Nurserymen's Association, short course, University of Connecticut, Storrs.

January 21—Northeastern New York Nurserymen's Association, winter meeting, Ashgrove Inn, Saratoga Spa, N. Y.

January 21 and 22—Western New York Nurserymen's Association, annual convention, Sheraton hotel, Rochester, N. Y.

January 21 and 22—New Jersey Association of Nurserymen, winter meeting, Barkley-Carteret hotel, Asbury Park,

N. J. A 1-day meeting, January 28, will also be held in conjunction with farmers' week, at the Hotel Hildebrecht, Trenton, N. J.

January 25 to 27—Kentucky Nurserymen's Association, winter meeting, Lafayette hotel, Lexington, Ky.

January 26—Delaware nurserymen's short course, Agricultural Hall auditorium, University of Delaware, Newark, Del.

January 26 to 28—Michigan Association of Nurserymen, annual winter meeting, Statler-Hilton hotel, Detroit, Mich.

January 28 and 29—Oregon Association of Nurserymen, winter meeting, Hotel Eugene, Eugene, Ore.

January 31 to February 2—National Arborist Association, winter meeting, Hotel La Salle, Chicago, Ill.

January 31 to February 2—Tennessee Nurserymen's Association, winter meeting, Hermitage hotel, Nashville, Tenn.

February 2 and 3—Oregon Nurserymen's Association, short course, Oregon State College, Corvallis, Ore.

February 2 to 4—New England Nurserymen's Association, annual meeting, Kenmore hotel, Boston, Mass.

February 8 and 9—Colorado Nurserymen's Association, short course, Student Union Annex, Colorado State University, Fort Collins, Colo.

February 8 and 9—Idaho Association of Nurserymen, annual convention and garden school, Basque Center, Boise, Ida.

February 9—Lake County Nurserymen's Association, annual winter school for nurserymen, Hellriegel's Inn, Painesville, O.

February 10 to 12—Midwestern chapter, National Shade Tree Conference, Omaha, Neb.

February 11 and 12—Pennsylvania Nurserymen's Association, annual meeting, Warwick hotel, Philadelphia, Pa.

February 17—Rhode Island Nurserymen's Association, annual convention, Johnson's Hummocks Grille, Providence, R. I.

February 18—Maryland Nurserymen's Association, annual short course, University of Maryland, College Park, Md.

February 18 and 19—Massachusetts Nurserymen's Association, short course, Waltham field station of the University of Massachusetts, Waltham, Mass.

February 22 to 24—Southern chapter, National Shade Tree Conference, Atlanta, Ga.

February 23 to 25 — Conference for Pennsylvania nurserymen, Pennsylvania State University, University Park, Pa.

February 28 to March 2—Canadian Association of Nurserymen, annual convention, King Edward hotel, Toronto, Ont., Canada.

ILLINOIS PROGRAM

Among the high points of the 44th annual convention and trade show of the Illinois State Nurserymen's Association, to be held January 11 to 13 at the Hotel La Salle, Chicago, Ill., will be a Tuesday afternoon, January 12, session devoted to a talk and panel discussion on the problem of the Japanese beetle in Illinois and other midwestern states.

A corsage will be presented to

YOU ARE CORDIALLY INVITED

to Attend the

ANNUAL EASTERN NURSERYMEN'S CONVENTION

"TRADING CENTER OF THE EAST"

in

NEW YORK CITY at the STATLER-HILTON

JANUARY 5, 6 and 7, 1960

Tuesday, Wednesday and Thursday

UNUSUALLY FINE PROGRAM WITH SOMETHING OF
INTEREST AND VALUE FOR EVERYONE!

Plenty of time allowed to transact your business. And you won't have to hunt for a place to sit and talk. There are chairs and tables set aside for your comfort and convenience right on the same floor with the convention.

BRING YOUR WANT AND SURPLUS LISTS.

YOU WILL

MEET YOUR BOARD OF DIRECTORS, A. A. N.—

They will be with us on Tuesday.

JOIN THE PLANT FORUM

—as it returns to its old, free, open-forum style of discussions.

LEARN WHAT THE OTHER CHAPTERS ARE DOING

—in the "Regional Exchange" of information and accomplishments.

GET A PROFESSIONAL MAN'S VIEWS ON RADIO AND TV ADVERTISING

from a radio and TV owner-operator.

PLAN YOUR FINANCIAL SECURITY

—or learn some steps towards it, from an investment counselor.

For possible remaining booth space, hurry! Write at once—or phone: IVanhoe 3-8686.

Mr. Frank BonGiorno
Suburban Nursery
610 Hempstead Turnpike
West Hempstead, L. I., N. Y.

For advance registration and other particulars: EASTERN REGIONAL NURSERYMEN'S ASSOCIATION

Mrs. Marie M. Enberg, Convention Manager,
P. O. Box 335
Mount Kisco, N. Y.

PACHYSANDRA

Terminalis (Japanese Spurge). The ideal permanent evergreen ground cover plant for shady and semi-shaded areas in all climates. Does well in sunny areas, too. Absolutely winter hardy in the most northern climates.

Per 100	Per 1000	Per 1000 for
Strong, well-rooted, 1-yr. plants; propagated in soil and peat frames with light shade. . . \$6.50	Prepaid F.O.B. here	5000 or more in same shipment
	\$53.00	\$49.00

Available for prompt shipment throughout the year. Shipments anywhere including Canada. GOOD PACKING FREE. A good source of supply.

PEEKSKILL NURSERY

Phone: Lakeland 8-5595
SHRUB OAK, N. Y.

NORTHERN-COLLECTED

Hemlocks, Ferns, Wild Flowers

Trees, Shrubs

ISAAC LANGLEY WILLIAMS
EXETER, N. H.

Hardy Mountain-Grown Seedlings for

Christmas Tree Planting
Attractive Discounts on Quantities
Write for price list.

WESTON'S NURSERY
R. D., Fallentimber, Pa.

Plan To
Come to Cedar Rapids for the
39th Annual Meeting
IOWA NURSERYMEN'S ASSOCIATION

January 7, 8 and 9, 1960
Sheraton-Montrose Hotel

A three-day meeting with a well-rounded program of speakers on topics of nursery and garden center interest.

A fine program planned for the ladies.

Booth space available. Contact:

Earl Ferris
 Earl Ferris Nursery
 Hampton, Iowa

Reservations:

Sheraton-Montrose Hotel
 223 Third Ave., S. E.
 Cedar Rapids, Iowa

**IF YOU'RE LOOKING
 FOR QUALITY
 EVERGREEN SEEDLINGS
 OR
 CUT CHRISTMAS TREES**

Why not write today —
SCHROTH'S NURSERY
 Indiana, Pa.

**QUALITY NURSERY STOCK
 IN LANDSCAPE SIZES**

SHADE TREES: Maple — Norway, Searlet and Sugar, Niobe Weeping Willow and Pin Oak. Sizes on most shade trees are in the 2 to 5-in. cal. size.

EVERGREENS: Austrian Pine, up to 6 ft. Hetz Juniper, 18 to 24 ins. and 2 to 2½ ft.

Write for Price List.

BAKER'S NURSERIES
 Hoosick Falls, N. Y.
 Phone: 861



T A X U S
CAPITATA, to 42 ins.
SPREADING, to 24 ins.
Rooted Cuttings and Liners
Flowering Trees

VANDEBROOK
NURSERIES, INC.
 Manchester, Conn.

Quality Merchandise at Reasonable Prices

FINER LINERS
 Finest Varieties—Finest Qualities
 Hardy, Northern New Jersey Grown
Catalog on request.
JOHN VERMEULEN & SON
 Neshanic Station, N. J.

HEMLOCK
 Rhododendron • Kalmia • Azalea
CURTIS NURSERIES
 CALLICOON, N. Y.

Specialists in PERENNIALS
SEEDS—PLANTS—BULBS
 Perhaps America's largest list of unusual plant materials.
Wholesale catalog on request.
PEARCE SEED COMPANY
 Dept. N MOORESTOWN, N. J.

**NORTHERN-GROWN
 FRUIT TREES**
DWARF and STANDARD
Write for wholesale list.
MALONEY BROS. NURSERY CO.
 DANSVILLE, N. Y.

each of the ladies attending Wednesday night's banquet, and a special ladies' program arranged for the convention includes a card party Monday afternoon and a luncheon on Wednesday, at which Martha Lohse will present a program entitled "A Trip to Europe." Regular convention sessions will be held according to the following program:

JANUARY 11

7:30 a. m.—Exhibits open.

9:30 a. m.—Registration.

12:15 p. m.—Lunch.

1:15 p. m.—Call to order.

President's address, by Henry Lohse, Dixon.

"Some P's of Professional Selling," by Frank H. Beach, Urbana.

JANUARY 12

9:30 a. m.—Business session.

11 a. m.—Annual meeting, Illinois chapter, American Association of Nurserymen.

12:15 p. m.—Lunch.

"Status of the Japanese Beetle Situation in Illinois," by Stillman Stanard, director, Illinois department of agriculture.

"Japanese Beetle—Its Potential Threat to Nursery Production in Illinois and Other Midwestern States," a panel discussion, with Stillman Stanard, moderator, and Byron Allen, commissioner of agriculture, St. Paul, Minn.; C. A. Boyer, chief, plant industry division, Lansing, Mich.; D. N. McDowell, director of agriculture, Madison, Wis., and F. A. Soraci, director, division of plant industry, Trenton, N. J., panel members.

JANUARY 13

12:15 p. m.—Lunch.

"The A. A. N. Management Conference at Sagamore, N. Y.," by Carl Klehm, Arlington Heights.

"Legislative Outlook, 1960," by Dr. Richard P. White, executive vice-president, A. A. N.

6 p. m.—Cocktail hour.

7 p. m.—Banquet.

SCHEDULE FOR IOWA

The schedule of events for the annual convention of the Iowa Nurserymen's Association, to be held at the Sheraton-Montrose hotel, Cedar Rapids, Ia., January 7 to 9, has been released by Earl Ferris, Hampton, secretary-treasurer. The activities include a special program for the ladies—a bus tour and visit to one of the Amana colony factories, with a lunch at the Ox Yoke Inn at Amana, and a style show Thursday evening. Other details follow:

JANUARY 7

9 a. m.—Registration, mezzanine floor.

10 a. m.—Board of directors' meeting.

1 p. m.—Call to order by President Robert Ferguson, Robinson & Parnham, Des Moines, Ia.

Welcome, by Mayor James Meagher of Cedar Rapids.

Major committee reports.

2 p. m.—Report on the A. A. N. nursery management conference at the Sagamore conference center, by George Rose, Henry Field Seed & Nursery Co., Shenandoah, Ia.

2:30 p. m.—Slides and comments on



Some things never change
and so
again this holiday season
from
"TOPS IN ROSES"
the very old
but always new
MERRY CHRISTMAS TO ALL!

Ollie and Verona Weeks

Bob and Betty Reed

Florence Estabrook

and

Shaddo

The Christmas story — forever new,

On men's lips, its words ring true.

Prophecies of old, we hear again — a

Star, a Babe — King of men!

In words of love, did angels write

New wonders that first Christmas night!

'Round the world — Peace, Good Will —

Our Saviour's message, repeated still,

Sent out by angels in the sky,

Each Christmas day, as time goes by,

Someday, men surely must fulfill!

V. E. W.

Cartwright Nursery Co.

1959 — 1960

We are having a wonderful growing season, and we have available for the 1959-60 season the largest stock of top-quality evergreens that we have ever offered. We would be very happy to have you visit us at the nursery and see our stock growing in the fields. We are, at this time, using 2000 acres of good west Tennessee land to produce for you the very best in evergreens, and we think it would be worth your time to visit us if you are interested in the best stock available at reasonable prices.

AMERICAN ARBORVITAE VARIETIES

(Thuja occidentalis)	Each	Each
Per 10	Per 10	Per 100
Dark Green American Arborvitae		
24 to 30 ins.	\$1.75	\$1.50
30 to 36 ins.	2.25	2.00
4 to 5 ft.	3.50	3.00
5 to 6 ft.	4.50	4.00
Compacta erecta Globe Arborvitae		
15 to 18 ins.	1.60	1.40
18 to 24 ins.	2.00	1.75
24 to 30 ins.	2.50	2.25
Globe American Arborvitae		
12 to 15 ins.	1.45	1.25
15 to 18 ins.	1.75	1.50
18 to 24 ins.	2.25	2.00
24 to 30 ins.	2.75	2.50
Pyramidal American Arborvitae		
18 to 24 ins.	1.60	1.35
24 to 30 ins.	1.80	1.65
30 to 36 ins.	2.50	2.25
3 to 4 ft.	3.00	2.75
4 to 5 ft.	4.00	3.50

ORIENTAL ARBORVITAE VARIETIES

(Thuja orientalis)	Each	Each
Per 10	Per 10	Per 100
Baker Arborvitae		
24 to 30 ins.	\$1.35	\$1.20
30 to 36 ins.	1.60	1.40
3 to 4 ft.	2.00	1.75
4 to 5 ft.	3.00	2.50
Berkmans Golden Arborvitae		
12 to 15 ins.	1.25	1.00
15 to 18 ins.	1.40	1.20
18 to 24 ins.	1.70	1.50
24 to 30 ins.	2.25	2.00
Blue Cone Arborvitae, compact pyramid		
18 to 24 ins.	1.20	1.00
24 to 30 ins.	1.45	1.25
30 to 36 ins.	1.70	1.50
Bonita Arborvitae, dwarf, full, green		
15 to 18 ins.	1.35	1.20
18 to 24 ins.	1.70	1.50
24 to 30 ins.	2.25	2.00
30 to 36 ins.	2.75	2.50
Excelsa Arborvitae		
24 to 30 ins.	1.45	1.25
30 to 36 ins.	1.70	1.50
4 to 5 ft.	3.00	2.50
Fruitlandi Arborvitae		
18 to 24 ins.	1.70	1.50
24 to 30 ins.	2.25	2.00
Mayhew Arborvitae		
24 to 30 ins.	1.45	1.25
30 to 36 ins.	1.70	1.50
Newark Arborvitae		
24 to 30 ins.	1.45	1.25
30 to 36 ins.	1.70	1.50

	Each	Each
Per 10	Per 10	Per 100
Cedrus atlantica		
2 to 3 ft.	\$1.75	\$1.50
3 to 4 ft.	2.75	2.50
4 to 5 ft.	3.75	3.50
5 to 6 ft.	4.75	4.50
Cedrus deodara		
2 to 3 ft.	1.75	1.50
3 to 4 ft.	2.75	2.50
Cedrus libani		
2 to 3 ft.	1.75	1.50
3 to 4 ft.	2.75	2.50
4 to 5 ft.	3.75	3.50

JUNIPERS, SPREADING VARIETIES

All spreading Junipers many times trimmed, well filled and of specimen quality.

	Each	Each
Per 10	Per 10	Per 100
Andorra Juniper		
12 to 15 ins.	\$1.25	\$1.10
15 to 18 ins.	1.60	1.40
18 to 24 ins.	1.90	1.75
24 to 30 ins.	2.50	2.25
30 to 36 ins.	3.00	2.75
Chinensis procumbens Juniper		
12 to 15 ins.	1.25	1.10
15 to 18 ins.	1.70	1.50
18 to 24 ins.	2.25	2.00
Golden Canadian Juniper		
15 to 18 ins.	1.70	1.50
18 to 24 ins.	2.25	2.00
Hetzl glauca Juniper		
12 to 15 ins.	1.20	1.00
15 to 18 ins.	1.45	1.30
18 to 24 ins.	2.00	1.75
24 to 30 ins.	2.50	2.25
30 to 36 ins.	3.00	2.75
Pfitzer Juniper		
12 to 15 ins.	1.25	1.10
15 to 18 ins.	1.70	1.50
18 to 24 ins.	2.25	2.00
24 to 30 ins.	2.75	2.50
Pfitzer Juniper, Blue		
15 to 18 ins.	1.70	1.50
18 to 24 ins.	2.25	2.00
Pfitzer Compact Juniper, Nick's		
12 to 15 ins.	1.25	1.10
15 to 18 ins.	1.70	1.50
18 to 24 ins.	2.25	2.00
24 to 30 ins.	2.75	2.50
30 to 36 ins.	3.25	3.00
Pfitzer Compact Juniper, Kallay		
12 to 15 ins.	1.25	1.10
15 to 18 ins.	1.70	1.50
18 to 24 ins.	2.25	2.00

JUNIPERS, UPRIGHT VARIETIES

All many times sheared, specimen-quality evergreens.

	Each	Each
Per 10	Per 10	Per 100
Juniper, virginiana glauca		
2 to 3 ft.	\$2.75	\$2.50
3 to 4 ft.	3.75	3.50
Juniper, virginiana burki		
2 to 3 ft.	2.75	2.50
3 to 4 ft.	3.75	3.50
4 to 5 ft.	4.75	4.50
Juniper, virginiana canaseri		
2 to 3 ft.	2.75	2.50
3 to 4 ft.	3.75	3.50
4 to 5 ft.	4.75	4.50
Cupressifolia Juniper (Hillslope Juniper)		
2 to 3 ft.	2.75	2.50
3 to 4 ft.	3.75	3.50
4 to 5 ft.	4.75	4.50
5 to 6 ft.	6.00	5.50
Dundee Juniper		
2 to 3 ft.	2.75	2.50
3 to 4 ft.	3.75	3.50
4 to 5 ft.	4.75	4.50
Juniper, chinensis densa glauca, excellent, compact, upright, blue-green color.		
2 to 3 ft.	2.00	1.75
3 to 4 ft.	2.75	2.50
4 to 5 ft.	3.75	3.50

MISCELLANEOUS CONIFERS

	Each	Each
Per 10	Per 10	Per 100
Pine, nigra (Austrian Pine)		
18 to 24 ins.	\$1.50	\$1.25
24 to 30 ins.	2.25	2.00
3 to 4 ft.	3.25	3.00
4 to 5 ft.	4.25	4.00
Pine, strobus (White Pine)		
18 to 24 ins.	1.50	1.25
2 to 3 ft.	2.25	2.00
3 to 4 ft.	3.25	3.00
4 to 5 ft.	4.25	4.00
5 to 6 ft.	5.50	5.00

	Each	Each
Per 10	Per 10	Per 100
Meyer Juniper		
15 to 18 ins.	\$1.75	
18 to 24 ins.	2.25	
Pfitzer Mana Juniper (Armstrong's)		
12 to 15 ins.	1.25	
15 to 18 ins.	1.70	
18 to 24 ins.	2.25	
24 to 30 ins.	2.75	
Maney Juniper, semispreader		
15 to 18 ins.	1.70	
18 to 24 ins.	2.25	
24 to 30 ins.	2.75	
Savin Juniper (Sabina)		
12 to 15 ins.	1.20	
15 to 18 ins.	1.50	
18 to 24 ins.	2.00	
Sabina horizontalis Juniper		
15 to 18 ins.	1.70	
18 to 24 ins.	2.25	
Sabina vasehron Juniper		
15 to 18 ins.	1.50	
18 to 24 ins.	2.00	
24 to 30 ins.	2.50	
30 to 36 ins.	3.00	
Sargent Juniper		
12 to 15 ins.	1.25	
15 to 18 ins.	1.70	
18 to 24 ins.	2.25	
Repanens Juniper (Juniper, virginiana repandens)		
12 to 15 ins.	1.20	
15 to 18 ins.	1.50	
18 to 24 ins.	2.00	
24 to 30 ins.	2.50	
Virginalis Juniper		
15 to 18 ins.	1.50	
18 to 24 ins.	2.00	
24 to 30 ins.	2.50	
Fastigiata Juniper (Improved Irish), very hvy.		
24 to 30 ins.	\$1.50	
30 to 36 ins.	1.50	
3 to 4 ft.	1.75	
4 to 5 ft.	2.25	
5 to 6 ft.	2.75	
Greek Juniper (Juniper, excelsa stricta), well sheared		
15 to 18 ins.	1.35	
18 to 24 ins.	1.75	
24 to 30 ins.	2.25	
30 to 36 ins.	2.75	
Hetzl glauca Juniper, pyramids, staked and sheared pyramids		
24 to 30 ins.	1.50	
30 to 36 ins.	2.00	
3 to 4 ft.	3.75	
Juniper, chinensis keteleeri		
3 to 4 ft.	3.25	
4 to 5 ft.	4.25	
Juniper, chinensis mascula		
3 to 4 ft.	3.25	
4 to 5 ft.	4.25	
Von Ehron Juniper, pyramids, staked and sheared pyramids		
3 to 4 ft.	3.75	
4 to 5 ft.	4.75	

	Each	Each
Per 10	Per 10	Per 100
Plume Cypress (Retinospora plumosa), sheared		
24 to 30 ins.	\$1.75	
30 to 36 ins.	2.25	
Plume Cypress, Golden, sheared (Retinospora plumosa aurea)		
24 to 30 ins.	1.75	
30 to 36 ins.	2.25	

BROAD-LEAVED EVERGREENS

	Each Per 10	Each Per 100		Each Per 10	Each Per 100		Each Per 10	Each Per 100
<i>grandiflora</i>	\$1.25	\$1.00	<i>Ilex opaca howardi</i>	\$2.25	\$2.00	<i>Laurel, English</i>	\$1.75	\$1.50
2 to 3 ft.	1.75	1.50	2 to 3 ft.	5.25	5.00	2 to 3 ft.	2.25	2.00
<i>sempervirens</i>	1.50	1.25	3 to 4 ft.	4.25	4.00	<i>Lonicera yunnanensis</i> (Chinese		
15 ins.	2.25	2.00	4 to 5 ft.	5.50	5.00	Evergreen Honeysuckle)	1.20	1.00
18 ins.	2.75	2.50	5 to 6 ft.			18 to 24 ins.	1.50	1.25
<i>decora lactea</i>	1.25	1.00	<i>Ilex opaca Hume No. 2</i>	2.25	2.00	<i>Loropetalum chinensis</i>		
24 ins.	1.25	1.00	2 to 3 ft.	3.25	3.00	(Texas Fringe)	1.20	1.00
<i>fruticand</i>	1.25	1.00	3 to 4 ft.	4.25	4.00	18 to 24 ins.	1.75	1.50
15 ins.	1.75	1.50	4 to 5 ft.	5.50	5.00	24 to 30 ins.	2.25	2.00
18 ins.	1.75	1.50	5 to 6 ft.	7.50	7.00	30 to 36 ins.	1.75	1.50
<i>simoni</i>	1.25	1.00	<i>Ilex opaca Reynolds</i>	2.25	2.00	<i>Magnolia glauca</i>	1.75	1.50
15 ins.	1.75	1.50	2 to 3 ft.	3.25	3.00	2 to 3 ft.	2.25	2.00
<i>coloratus</i>	1.25	1.00	3 to 4 ft.	4.25	4.00	3 to 4 ft.	2.75	2.50
15 ins.	1.50	1.25	4 to 5 ft.	5.50	5.00	4 to 5 ft.	3.50	3.25
<i>fortunei erectus</i>	1.25	1.00	5 to 6 ft.	7.50	7.00	5 to 6 ft.	5.50	5.00
18 ins.	1.50	1.25	<i>Ilex opaca Taber No. 3</i>	2.25	2.00	6 to 8 ft.	5.50	5.00
24 ins.	1.50	1.25	2 to 3 ft.	3.25	3.00	<i>Magnolia grandiflora</i>	1.75	1.50
<i>patens</i>	1.20	1.00	3 to 4 ft.	4.25	4.00	2 to 3 ft.	2.75	2.50
15 ins.	1.75	1.50	4 to 5 ft.	5.50	5.00	3 to 4 ft.	3.75	3.50
18 ins.	2.25	2.00	5 to 6 ft.	7.50	7.00	4 to 5 ft.	5.50	5.00
<i>radicans</i>	1.20	1.00	<i>Ilex vomitoria</i>	1.20	1.00	6 to 8 ft.	8.25	7.50
15 ins.	1.50	1.25	18 to 24 ins.	1.75	1.50	<i>Nandina domestica</i>	90	75
<i>several selected types</i>	1.20	1.00	24 to 30 ins.	1.75	1.50	18 to 24 ins.	1.20	1.00
18 ins.	1.50	1.25	30 to 36 ins.	2.25	2.00	24 to 30 ins.	1.50	1.25
<i>angustifolia</i>	3.50	3.00	<i>Jasminum floridum</i>	1.20	1.00	30 to 36 ins.	1.75	1.50
15 ins.	1.20	1.00	15 to 18 ins.	1.50	1.25	3 to 4 ft.	2.25	2.00
18 ins.	1.50	1.25	18 to 24 ins.	1.50	1.25	<i>Osmanthus fortunei</i>	1.50	1.25
24 ins.	1.75	1.50	2 to 3 ft.	1.75	1.50	18 to 24 ins.	1.75	1.50
<i>burfordi</i>	2.50	2.25	<i>Ligustrum lucidum</i> (Black Wax)	1.20	1.00	24 to 30 ins.	2.25	2.00
15 ins.	1.20	1.00	18 to 24 ins.	1.50	1.25	30 to 36 ins.	1.20	1.00
18 ins.	1.50	1.25	24 to 30 ins.	1.50	1.25	<i>Photinia serrulata</i>	1.75	1.50
24 ins.	1.75	1.50	30 to 36 ins.	1.75	1.50	18 to 24 ins.	2.25	2.00
<i>femina</i>	1.20	1.00	<i>Ligustrum Suwanee River</i>	1.50	1.25	2 to 3 ft.	1.20	1.00
15 ins.	1.50	1.25	15 to 18 ins.	2.25	2.00	3 to 4 ft.	1.75	1.50
18 ins.	1.75	1.50	18 to 24 ins.	2.75	2.50	<i>Viburnum burkwoodi</i>	1.50	1.25
24 ins.	2.50	2.25	24 to 30 ins.	3.25	3.00	18 to 24 ins.	1.75	1.50
<i>Hume, semidwarf.</i>	1.50	1.25	<i>Laurel, Carolina</i> (Cherry Laurel)	1.50	1.25	24 to 30 ins.	2.25	2.00
15 ins.	1.75	1.50	2 to 3 ft.	1.75	1.50	30 to 36 ins.	2.75	2.50
18 ins.	2.25	2.00	3 to 4 ft.	2.25	2.00	<i>Viburnum chenaulti</i>	2.25	2.00
24 ins.	2.75	2.50	4 to 5 ft.	2.75	2.50	30 to 36 ins.	2.75	2.50
<i>Biloxi</i>	1.20	1.00	5 to 6 ft.	2.75	2.50	<i>Viburnum juddi</i>	2.25	2.00
15 ins.	1.50	1.25	<i>Laurel, sabali</i> (Strap-leaved Laurel)	1.20	1.00	30 to 36 ins.	2.25	2.00
18 ins.	1.75	1.50	15 to 18 ins.	1.75	1.50	<i>Viburnum rhytidophyllum</i>	1.75	1.50
24 ins.	2.25	2.00	18 to 24 ins.	2.25	2.00	18 to 24 ins.	2.00	1.75
<i>transplants easily.</i>	1.20	1.00	24 to 30 ins.	2.75	2.50	24 to 30 ins.	2.50	2.25
15 ins.	1.75	1.50	30 to 36 ins.	2.75	2.50	3 to 4 ft.	3.25	3.00
18 ins.	2.25	2.00	FLOWERING TREES, B&B			<i>Magnolia soulangeana</i> , trimmed	Each	Each
24 ins.	2.75	2.50	<i>Cornus florida</i> (White Dogwood)	Each	Each	plants, heavily branched	Per 10	Per 100
<i>convexa</i>	1.00	.80	2 to 3 ft.	\$1.20	\$1.00	2 to 3 ft.	\$2.00	\$1.75
15 ins.	1.25	1.00	3 to 4 ft.	1.75	1.50	3 to 4 ft.	2.75	2.50
18 ins.	1.75	1.50	<i>Cornus florida rubra</i> (Red Dogwood)	1.75	1.50	4 to 5 ft.	3.50	3.25
24 ins.	2.25	2.00	2 to 3 ft.	2.75	2.50	5 to 6 ft.	4.50	4.00
<i>hetzi</i>	1.20	1.00	3 to 4 ft.	2.75	2.50	6 to 7 ft.	5.50	5.00
15 ins.	1.50	1.25	<i>Euconymus alatus compactus</i>	1.50	1.25	<i>Magnolia stellata</i>		
18 ins.	1.75	1.50	18 to 24 ins.	1.75	1.50	(Dwarf Star Magnolia)	2.00	1.75
24 ins.	2.25	2.00	24 to 30 ins.	2.25	2.00	18 to 24 ins.	3.00	2.50
<i>repandens</i> , excellent	1.50	1.25	30 to 36 ins.	2.75	2.50	2 to 3 ft.	2.25	2.00
spreading variety	2.00	1.75	<i>Magnolia nigra</i>	2.00	1.75	<i>Magnolia alexandrina</i>	2.25	2.00
15 ins.	1.50	1.25	2 to 3 ft.	2.75	2.50	2 to 3 ft.		
18 ins.	1.75	1.50	3 to 4 ft.	2.75	2.50			
24 ins.	2.25	2.00	COLD STORAGE —We have available cold storage facilities for taking care of Magnolias or					
30 ins.	2.75	2.50	other nursery stock. In addition to our list prices, we will make the following minimum charges					
36 ins.	3.75	3.25	for storing B&B trees. If stock is to be stored past May 1, additional charges will be made.					
<i>pyramide</i>	4.00	3.50	18 to 24 ins.	20c	3 to 4 ft.	30c	5 to 6 ft.	50c
15 ins.	1.20	1.00	2 to 3 ft.	25c	4 to 5 ft.	40c	6 to 8 ft.	75c
18 ins.	1.75	1.50	The following stock is offered root wrapped in polyethylene bags and will be wrapped on					
24 ins.	2.25	2.00	machines for uniform size. Each plant will be tagged with a colored picture tag. Please order					
30 ins.	2.75	2.50	in multiples of 5 to a variety. This stock is ready for shipment now.					
36 ins.	3.75	3.25	FLOWERING SHRUBS					
<i>East Palatka</i>	1.75	1.50	<i>Pink-Flowering Almond</i> , 18 to 24 ins.	\$0.60	Each	FRUIT STOCK		
15 ins.	2.25	2.00	<i>Pink Althaea</i> , 18 to 24 ins.	.50	Each	<i>Apple Trees</i> , 11/16-in. cal.	Each	Each
18 ins.	2.75	2.50	<i>Purple Althaea</i> , 18 to 24 ins.	.50	Each	<i>Grimes Golden</i>	Red June	Stayman's Winesap
24 ins.	3.75	3.50	<i>Red Althaea</i> , 18 to 24 ins.	.50	Each	<i>Red Delicious</i>		
30 ins.	5.50	5.00	<i>White Althaea</i> , 18 to 24 ins.	.50	Each	<i>Yellow Delicious</i>		
36 ins.	7.50	7.00	<i>Pink Grape Myrtle</i> , 18 to 24 ins.	.50	Each	<i>Fig, Celeste</i> , 2 to 3 ft.	.60	
<i>Crossburg</i>	2.25	2.00	<i>Purple Grape Myrtle</i> , 18 to 24 ins.	.50	Each	<i>Fig, Everbearing</i> , 2 to 3 ft.	.60	
15 ins.	3.25	3.00	<i>Red Grape Myrtle</i> , 18 to 24 ins.	.50	Each	<i>Peach Trees</i> , 11/16-in. cal.	1.00	
18 ins.	4.25	4.00	<i>White Grape Myrtle</i> , 18 to 24 ins.	.50	Each	<i>Belle of Georgia</i>	Indian Cling	J. H. Hale
24 ins.	5.25	5.00	<i>Forsythia</i> (Golden Bell), 2 to 3 ft.	.60	Each	<i>Early Elberta</i>		
30 ins.	7.50	7.00	<i>Single Mock Orange</i> , 18 to 24 ins.	.60	Each	<i>Golden Jubilee</i>		
36 ins.	1.75	1.50	<i>Double Mock Orange</i> , 18 to 24 ins.	.60	Each	<i>Pear Trees</i> , 11/16-in. cal.	1.25	
<i>East Palatka</i>	1.75	1.50	<i>Spiraea Anthony Waterer</i> , 15 to 18 ins.	.60	Each	<i>Bartlett</i>	New Orient	Seckel
15 ins.	2.25	2.00	<i>Spiraea vanhouttei</i> , 18 to 24 ins.	.50	Each	<i>Kieffer</i>		
18 ins.	2.75	2.50	<i>Weigela rosea</i> , pink, 18 to 24 ins.	.60	Each	<i>Grapes</i> , 2-yr., No. 1.	Niagara	
24 ins.	3.75	3.50	SHADE TREES			<i>Concord</i>		
30 ins.	5.50	5.00	<i>Chinese Elm</i> , 6 to 8 ft.	1.00	Each	<i>Delaware</i>		
36 ins.	7.50	7.00	<i>Lombardy Poplar</i> , 6 to 8 ft.	1.00	Each	BUNDLES OF 2 FRUIT STOCK:		
<i>sealer</i>	2.25	2.00	<i>Weeping Willow</i> , 5 to 6 ft.	1.00	Each	<i>Apples</i> , 7/16-in. cal.	\$1.25	per bundle
15 ins.	3.25	3.00	FLOWERING TREES			<i>Red Delicious</i>	Stayman's Winesap	
18 ins.	4.25	4.00	<i>Red-Flowering Peach</i> , 4 to 5 ft.	1.00	Each	<i>Yellow Delicious</i>		
24 ins.	5.50	5.00	<i>White-Flowering Peach</i> , 3 to 4 ft.	1.00	Each	<i>Peaches</i> , 7/16-in. cal.	\$1.25	per bundle
30 ins.			<i>Redbud</i> , 4 to 5 ft.	1.00	Each	<i>Belle of Georgia</i>	J. H. Hale	
36 ins.			<i>Mimosa</i> , 4 to 5 ft.	1.00	Each	<i>Elberta</i>		

ARTWRIGHT NURSERY CO. Collierville, Tenn. Phone: UL 3-2352
Highway 72-57, 10 miles east of Memphis

GRAFTED STOCK FOR SPRING, 1960, DELIVERY

<i>Acer palmatum atropur-</i>	10	100	<i>Juniperus chinensis Mount-</i>	10	100
<i>pureum Bloodgood</i>	\$7.50	\$85.00	<i>batten</i>	\$6.50	\$55.00
<i>Acer palmatum atropur-</i>			<i>Juniperus chinensis sargentii</i>	6.50	55.00
<i>pureum Oshiu-Ben</i>	7.50	65.00	<i>Juniperus chinensis sargentii</i>		
<i>Acer palmatum dissectum</i>	7.50	65.00	<i>glauca</i>	6.50	55.00
<i>Acer palmatum dissectum</i>			<i>Juniperus scopulorum</i>	6.50	55.00
<i>atropurpureum</i>	7.50	65.00	<i>Blue Haven</i>	6.50	55.00
<i>Acer platanoides columnare</i>	7.50	65.00	<i>Hesse</i> , spreading.....	6.50	55.00
<i>Acer platanoides Fassen's</i>			<i>Juniperus squamata meyeri</i>	6.50	55.00
<i>Black</i>	7.50	65.00	<i>Juniperus virginiana burkii</i>	6.50	55.00
<i>Acer rubrum columnare</i>	7.50	65.00	<i>Juniperus virginiana cannertii</i>	6.50	55.00
<i>Acer saccharum</i>			<i>Juniperus virginiana</i>		
<i>monumentale</i>	7.50	65.00	<i>elegantissima</i>	6.50	55.00
<i>Cedrus atlantica glauca</i>	7.50	65.00	<i>Juniperus virginiana glauca</i>	6.50	55.00
<i>Chamaecyparis obtusa</i>			<i>Juniperus virginiana globosa</i>	6.50	55.00
<i>compacta</i>	6.00	50.00	<i>Juniperus virginiana</i>		
<i>Chamaecyparis obtusa</i>			<i>pyramidaliformis hillii</i>	6.50	55.00
<i>gracilis</i>	6.00	50.00	<i>Juniperus virginiana schottii</i>	6.50	55.00
<i>Cornus florida alba plena</i>	6.50	55.00	<i>Magnolia rustica rubra</i>	7.50	65.00
<i>Cornus florida pendula</i>	7.50	65.00	<i>Magnolia soulangeana</i>	7.50	65.00
<i>Cornus florida rubra</i>	6.50	55.00	<i>Magnolia soulangeana nigra</i>	7.50	65.00
<i>(Red-Flowering Dogwood)</i>	7.50	65.00	<i>Magnolia stellata</i>	7.50	65.00
<i>Cornus kousa chinensis</i>	6.50	55.00	<i>Magnolia stellata rubra</i>	7.50	65.00
<i>Cupressus arizonica gaelei</i>	6.50	55.00	<i>Magnolia stellata Water Lily</i>	7.50	65.00
<i>Fagus sylvatica asplenifolia</i>	6.50	55.00	<i>Parrotia persica</i>	6.50	55.00
<i>Fagus sylvatica fastigiata</i>	6.50	55.00	<i>Pinus cembra</i>	7.00	60.00
<i>Fagus sylvatica heterophylla</i>	6.50	55.00	<i>Thuja orientalis aurea nana</i>	5.50	45.00
<i>Fagus sylvatica pendula</i>	6.50	55.00	<i>Thuja orientalis conspicua</i>	6.50	45.00
<i>Fagus sylvatica riversi</i>	6.50	55.00	<i>Thuja orientalis</i>		
<i>Hamamelis mollis</i>	6.50	55.00	<i>elegantissima</i>	5.50	45.00
<i>Ilex aquifolium pernyi</i> ,			<i>Tsuga canadensis pendula</i>	6.50	55.00
<i>female</i>	7.50	65.00			
<i>Ilex aquifolium pernyi</i> ,					
<i>male</i>	7.50	65.00			
<i>Ilex opaca femina</i>	7.50	65.00			
<i>Hookstraw—Judge Brown</i>					
<i>—Miss Helen</i>					
<i>Ilex opaca mascula</i>	7.50	65.00			
<i>Ilex opaca mascula Brown</i>					
<i>No. 9</i>	7.50	65.00			
<i>Ilex pedunculosa</i>	7.50	65.00			
<i>Juniperus chinensis</i>					
<i>columnaris glauca</i>	6.50	55.00			
<i>Juniperus chinensis</i>					
<i>columnaris viridis</i>	6.50	55.00			
<i>Juniperus chinensis keteleeri</i>	6.50	55.00			
<i>Juniperus chinensis Maney</i>	6.50	55.00			

Our complete list of seedlings, cuttings, transplants and grafts will be sent on request.

HESS' NURSERIES

P. O. Box 128

Wayne, N. J.

GROWERS OF QUALITY LINERS SINCE 1922



DEL-MAR-VA NURSERIES

Lincoln, Del.

(specializing in liners
and finished stock)

wishes you:

A MERRY CHRISTMAS

and a

HAPPY NEW YEAR

MAXWELL, BOWDEN AND RICE, INC.

Growers of Fine Nursery Stock

WHOLESALE ONLY

Roses — Shrubs — Fruit Trees — Ornamentals — Vines — Hedge

Geneva, N. Y. — Phone: 8131

NORTHERN COLLECTED EVERGREENS
FERNS

PLANTS

SHRUBS

WILLIAM CROSBY HORSFORD
CHARLOTTE, VT.

TAXUS CAPITATA

2-yr., S.

80 each 1000 rate

70 each 5000 rate

60 each 10,000 rate

A. N. PIERSON, INC.

Cromwell, Conn.

A. A. N. nursery management conference, by George Rose; A. Dean Platt, Waterloo; Arnold Webster, Cedar Falls; Earl Ferris, Hampton, and Lloyd Cafferty, Ames.

3 p. m.—"A. A. N. Notes," by Valieau C. Curtis, Callicoon, N. Y., president, American Association of Nurserymen.

3:15 p. m.—News from the Washington office, by Robert F. Lederer, A. A. N., legislative assistant.

3:30 p. m.—Reports by the state delegates to the Philadelphia A. A. N. convention, by Robert Tyson, Lloyd Cafferty, Lee Haynie and Lloyd Whitham.

4 p. m.—A. A. N. chapter 10 business meeting.

7:30 p. m.—Nurserymen's clinic, with Neal Rohlf, Davenport, moderator. General discussion on pricing, service charges, private labels and unfair competition. This is a closed meeting, for active members only.

JANUARY 8

7:30 a. m.—Scheduled breakfast.

9 a. m.—"New Method of Growing Container Evergreens," by Dr. John P. Mahlstede, Iowa State University, Ames.

10:30 a. m.—"What Is the Future of Elms in Iowa?" by Dr. Harold McNabb, Iowa State University.

10:45 a. m.—"Landscaping as Part of the House," by L. Morgan Yost, Yost & Taylor, Architects, Kenilworth, Ill.

11:45 a. m.—Scheduled luncheon.

1:15 p. m.—"Trends Toward Sales-yards," by Roy F. Graham, Old Orchard Gardens, Webster Grove, Mo.

2:15 p. m.—"Nematodes, Their Damage and Control," by Prof. Don C. Norton, Iowa State University.

3:15 p. m.—Annual business meeting.

5 p. m.—Mount Arbor Round-Up social hour.

6:30 p. m.—Annual banquet, with introduction of guests. Speaker: "The Senator from Texas," by Harold Ward, and entertainment.

JANUARY 9

9 a. m.—"Merchandising and Selling," by Glenn McClintic.

9:30 a. m.—"News from Iowa State University," by Dr. E. S. Haber; Dr. E. L. Denison, "Cyclone Strawberry," and Dr. Don White, "Laminate Budding and Tent Grafting."

10:30 a. m.—"Progress on Roadside Improvement," by Harold D. Dolling, roadside improvement engineer, Iowa state highway commission, Ames.

11 a. m.—"Keep Old Red Ready," by Fred Fernald.

11:30 a. m.—"Recent Trends in Turf Grass Management," by Dr. Eliot Roberts, Iowa State University.

12 noon—Adjournment.

WESTERN NURSERYMEN

Final plans for the program of the 70th annual meeting of the Western Association of Nurserymen, to be held January 4 to 6 at the Bellerive hotel, Kansas City, Mo., have been announced by James Danbury, Prairie Village, Kan., secretary of the association. Details of the program are as follows:

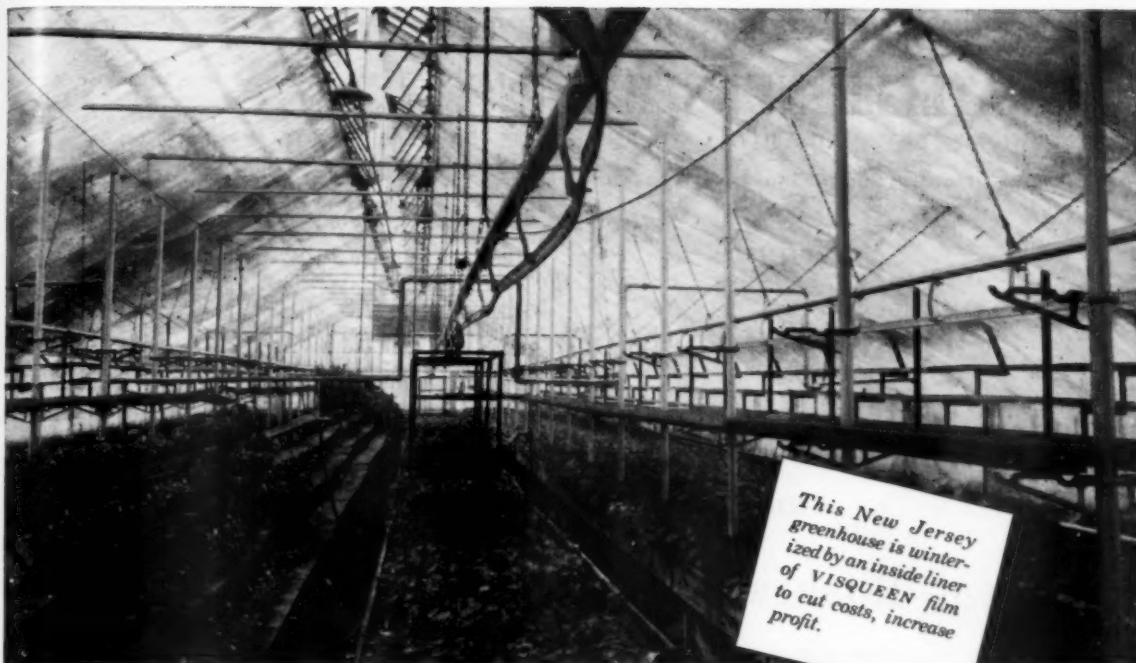
JANUARY 4

9 a. m.—Registration.

12 noon—Lunch.

2 p. m.—Meeting called to order; treasurer's report and appointment of committees.

"Euonymus Varieties and Uses," by



winterize your greenhouses with



save up to 25-30% of fuel cost
50% of water and water-handling cost.

protect plants from shock of severe temperature changes.

speed plant growth—produce more plants at greater profit.

80% LESS INVESTMENT! When both glaze and inside liner are VISQUEEN film, original investment is substantially less than required to build

a conventional greenhouse. Upkeep is proportionately reduced, too.

Day and night temperatures will be as much as three degrees higher, relative humidity higher, in greenhouses lined with VISQUEEN film.

VISQUEEN horticultural film is specially formulated and manufactured for the needs of the industry. It is the most *uniform* polyethylene film—hence strongest and most economical. A product of pioneer producers whose research and resources are unequalled. For complete details, please use the coupon below.

VISKING COMPANY



PLASTICS DIVISION

6733 W. 65th St., Chicago 38, Illinois, Dept. AN11

In Canada: **VISKING COMPANY DIVISION OF UNION CARBIDE CANADA LIMITED**, Lindsay, Ontario.

VISKING, VISQUEEN and UNION CARBIDE are registered trademarks of Union Carbide Corporation.

Plastics Division, Visking Company, 6733 West 65th Street, Chicago 38, Illinois, Dept. AN12
Tell me how I can apply VISQUEEN film to my greenhouse operation.

Name

Address

City Zone State

BAGATELLE NURSERY, INC.

Box 196

Huntington Station, L. I., New York

Extends

Season's Greetings

to its many patrons and friends

and

Best Wishes for 1960

TAXUS In varieties,
certified for western shipment.

BULK'S NURSERIES

610 W. Montauk Hwy.
Babylon, N. Y.
Phone: MOhawk 9-4400

Smithburg-Manalapan Rd.
Freehold, N. J.
Phone: FR 8-5500

JAPANESE RED BARBERRY

	Per 100	Per 1000	Per 5000
2-yr., S., 6 to 9 ins.....	\$ 6.00	\$ 50.00	\$200.00
2-yr., S., 9 to 12 ins.....	8.00	70.00	300.00
2-yr., S., 12 to 18 ins.....	10.00	90.00	400.00
2-yr., S., 18 to 24 ins.....	15.00	125.00	575.00
4-yr., T., heavy, 15 to 18 ins.....	30.00	275.00	.....
4-yr., T., heavy, 18 to 24 ins.....	35.00	325.00	.....
4-yr., T., heavy, 2 to 2½ ft.....	37.50	350.00	.....

FAIRVIEW EVERGREEN NURSERIES

Fairview, Erie Co., Pa.

OWN-ROOT RHODODENDRONS

America, red

12 to 15 ins., bushy, budded,
\$300.00 per 100

Send for our new list.

WELLS NURSERY

Box 141 Red Bank, N. J.

NOT TOO EARLY To Order ROSEBUSHES

For winter or spring delivery.
Order while our selection is complete.

Send for List

SOMERSET ROSE NURSERY, INC.

P. O. Box 608
New Brunswick, N. J.

LINING-OUT STOCK

Seedlings, Rooted Cuttings
and Transplants

Write for list.

LEGHORN'S EVERGREEN NURSERY CO., INC.
50 Geer St. Cromwell, Conn.

BOULEVARD NURSERIES

Newport, R. I.

- Quality Nursery Stock
- Lining-Out Stock
- Root-Thru Plant Pots

W. E. Cunningham, Cunningham Gardens, Waldron, Ind.

"Landscape Selling and Organizational Procedures," by Steve Driftmeier, W. W. Wilmore Nursery, Denver, Colo.

Evening—Slides of horticultural subjects shown by members.

JANUARY 5

9 a. m.—Talk, by Ray Brush, administrative assistant, American Association of Nurserymen.

Business meeting; committee reports and election of officers.

12 noon—Lunch.

2 p. m.—"Labor-saving Devices and New Procedures," by George Rose, Henry Field Seed & Nursery Co., Shenandoah, Ia.

"Merchandising Through Garden Centers," by Don West, Verhalen Nursery Co., Dallas, Tex.

Evening—Annual banquet, with entertainment and dancing.

JANUARY 6

9 a. m.—"Basic Technique for Home Landscaping," an A. A. N. film presentation.

"New Plant Varieties and Introductions," by Lewis F. Lipp, Holden Arboretum, Mentor, O.

NORTH CAROLINA PLANS

The tentative schedule for the 23rd annual short course of the North Carolina Association of Nurserymen, to be held at the North Carolina State College, Raleigh, January 3 to 5, has been released by Bryson L. James, horticulture specialist, N. C. S. A., as follows:

JANUARY 3

4 to 6 p. m.—Registration — Main lobby, College Union.

6 p. m.—Informal buffet dinner, College Union, with North Carolina Association of Nurserymen as host.

"North Carolina Nurserymen — Highlights of 1959"—Movie, slides and comments on state fair exhibit, summer tour and area short courses, by Dr. Bryson L. James, North Carolina State College.

Trade fair opens, College Union ballroom.

JANUARY 4

9 a. m. — Opening session, College Union theater.

Invocation; welcome, by Dr. D. W. Colvard, dean, School of Agriculture, North Carolina State College, and George Coulter, Carolina Nurseries, Inc., Charlotte, president, North Carolina Association of Nurserymen.

9:30 a. m. — "Nursery Management," by A. J. Lancaster, Coleman Nursery, Inc., Portsmouth, Va.

10:30 a. m. — "Bank-Financed Landscaping," by Harold Graves, J. Harold Graves Nursery, Burlington, N. C.

11 a. m. — "Merchandising and Looking Ahead in the Nursery Business," by William Dieckmann, John Dieckmann & Sons, Elm Grove, W. Va.

12 Noon—"Dutch" luncheon and business meeting, College Union ballroom, George Coulter presiding.

2:15 p. m. — "Grade Standards for Nursery Crops," by Dr. J. Newton Joiner, department of ornamental horticulture, University of Florida, Gainesville, Fla., College Union theater.

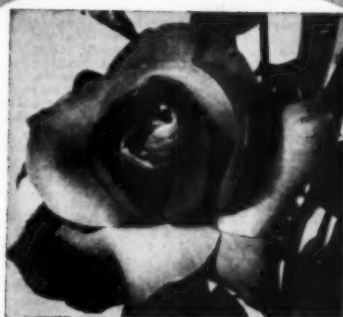
3:15 p. m. — A. A. N. representative's report, by W. C. Daniels.

3:30 p. m. — "Practical Cost Account-

Feature

SALES WINNERS from ARMSTRONG

ARMSTRONG HALL OF FAME



El Capitan Red roses sell best—and this 1960 Armstrong introduction is the vivid, fiery red that one sees flashing through fiestas in Old Spain! Buds and blooms are beautifully shaped, long-lasting, color-fast.

This handsome, easy-to-grow Grandiflora gives perfect, long-stemmed flowers for cutting. Cash in on the sales ready-made by a stepped-up program of advertising and publicity.

Plant Pat. No. 1796

Carefully grown
and critically
graded...

**ADVERTISED—
KNOWN—
WANTED
ROSES**

Write for our Wholesale List

ARMSTRONG

Ontario **NURSERIES** California

RUBY LIPS



BUCCANEER



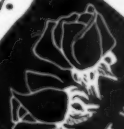
CIRCUS



EL CAPITAN



HEAT WAVE



AZTEC



GARDEN PARTY



HELEN TRAUBEL



MOJAVE



CHARLOTTE
ARMSTRONG



MONTEZUMA



T. G. OWEN & SON, INC.

Columbus, Miss.

FINISHED STOCK

	Each	10 or more
<i>Biota aurea nana</i> Berckmans	Each more	
15 to 18 ins., B&B	\$1.40	\$1.20
18 to 24 ins., B&B	1.70	1.50
<i>Biota aurea pyramidalis compacta</i>		
30 to 36 ins., B&B	1.70	1.50
3 to 4 ft., B&B	2.00	1.75
4 to 5 ft., B&B	2.50	2.25
<i>Biota bakeri</i>		
24 to 30 ins., B&B	1.30	1.10
30 to 36 ins., B&B	1.60	1.40
3 to 4 ft., B&B	2.00	1.75
4 to 5 ft., B&B	2.50	2.25
<i>Biota Blue Cone</i>		
18 to 24 ins., B&B	1.20	1.00
24 to 30 ins., B&B	1.45	1.25
30 to 36 ins., B&B	1.70	1.50
<i>Biota Bonita</i>		
15 to 18 ins., B&B	1.30	1.10
18 to 24 ins., B&B	1.60	1.40
24 to 30 ins., B&B	2.00	1.75
30 to 36 ins., B&B	2.25	2.00
<i>Biota Bonita, upright</i> (Brewer's Hybrid)		
18 to 24 ins., B&B	1.30	1.10
24 to 30 ins., B&B	1.45	1.25
30 to 36 ins., B&B	2.00	1.75
3 to 4 ft., B&B	2.25	2.00
4 to 5 ft., B&B	2.50	2.25
<i>Biota excelsum</i>		
18 to 24 ins., B&B	1.20	1.00
24 to 30 ins., B&B	1.30	1.10
30 to 36 ins., B&B	1.60	1.40
3 to 4 ft., B&B	2.00	1.75
4 to 5 ft., B&B	2.25	2.00
<i>Biota fruitlandi</i>		
15 to 18 ins., B&B	1.40	1.20
18 to 24 ins., B&B	1.70	1.50
24 to 30 ins., B&B	1.95	1.75
<i>Biota sibirica</i>		
24 to 30 ins., B&B	1.30	1.10
30 to 36 ins., B&B	1.60	1.40
3 to 4 ft., B&B	2.00	1.75
4 to 5 ft., B&B	2.50	2.25
<i>Cedrus deodora</i>		
18 to 24 ins., B&B	1.55	1.35
24 to 30 ins., B&B	1.80	1.60
30 to 36 ins., B&B	2.25	2.00
3 to 4 ft., B&B	2.75	2.50
4 to 5 ft., B&B	3.25	3.00
5 to 6 ft., B&B	3.75	3.50
<i>Andorra Juniper</i>		
12 to 15 ins., B&B	1.30	1.10
15 to 18 ins., B&B	1.60	1.40
18 to 24 ins., B&B	1.95	1.75
24 to 30 ins., B&B	2.20	2.00
<i>Juniperus chinensis pfitzeriana</i>		
12 to 15 ins., B&B	1.30	1.10
15 to 18 ins., B&B	1.70	1.50
18 to 24 ins., B&B	2.00	1.75
24 to 30 ins., B&B	2.50	2.25
30 to 36 ins., B&B	2.75	2.50
<i>Juniperus chinensis pfitzeriana compacta</i>		
12 to 15 ins., B&B	1.30	1.10
15 to 18 ins., B&B	1.70	1.50
18 to 24 ins., B&B	2.00	1.75
24 to 30 ins., B&B	2.50	2.25
30 to 36 ins., B&B	2.75	2.50
<i>Juniperus chinensis pfitzeriana nana</i>		
12 to 15 ins., B&B	1.25	1.10
15 to 18 ins., B&B	1.65	1.50
18 to 24 ins., B&B	2.50	2.25
24 to 30 ins., B&B	2.75	2.50
<i>Juniperus pfitzeriana, blue-gray</i>		
12 to 15 ins., B&B	1.20	1.00
15 to 18 ins., B&B	1.50	1.30
18 to 24 ins., B&B	2.00	1.75
24 to 30 ins., B&B	2.50	2.25
30 to 36 ins., B&B	2.75	2.50
<i>Juniperus chinensis mascula</i>		
3 to 4 ft., B&B	2.75	2.50
4 to 5 ft., B&B	3.25	3.00
<i>Juniperus chinensis sargentii</i>		
18 to 24 ins., B&B	2.25	2.00
<i>Juniperus chinensis sargentii, blue</i>		
12 to 15 ins., B&B	1.40	1.25
15 to 18 ins., B&B	1.75	1.50
18 to 24 ins., B&B	2.25	2.00
<i>Juniperus chinensis viridifolia</i>		
15 to 18 ins., B&B	1.40	1.25
18 to 24 ins., B&B	1.75	1.50
24 to 30 ins., B&B	2.00	1.75
30 to 36 ins., B&B	2.25	2.00
3 to 4 ft., B&B	2.75	2.50
<i>Juniperus communis eracovia</i> (Polish Juniper)		
24 to 30 ins., B&B	1.20	1.00
30 to 36 ins., B&B	1.50	1.25

	Each	10 or more
<i>Juniperus excelsa stricta</i>	Each more	
12 to 15 ins., B&B	\$1.20	\$1.00
15 to 18 ins., B&B	1.35	1.20
18 to 24 ins., B&B	1.65	1.50
24 to 30 ins., B&B	2.25	2.00
30 to 36 ins., B&B	2.75	2.50
<i>Juniperus glauca hetzi</i>		
12 to 15 ins., B&B	1.20	1.00
15 to 18 ins., B&B	1.50	1.30
18 to 24 ins., B&B	2.00	1.75
24 to 30 ins., B&B	2.50	2.25
<i>Juniperus hibernica fastigiata</i>		
24 to 30 ins., B&B	1.10	1.00
30 to 36 ins., B&B	1.40	1.25
3 to 4 ft., B&B	1.65	1.50
4 to 5 ft., B&B	2.25	2.00
5 to 6 ft., B&B	2.50	2.25
<i>Juniperus japonica virginiana</i>		
12 to 15 ins., B&B	1.15	1.00
15 to 18 ins., B&B	1.35	1.20
18 to 24 ins., B&B	1.75	1.60
<i>Juniperus virginiana burki</i>		
24 to 30 ins., B&B	2.75	2.50
<i>Juniperus virginiana burki compacta</i> (A counterpart of the well-known J. virginiana burki, except that this one is a beautiful spreading type, maintaining the well-known glaucous color of the upright form.)		
15 to 18 ins., B&B	1.75	1.50
18 to 24 ins., B&B	2.25	2.00
<i>Juniperus virginiana canaertii</i>		
24 to 30 ins., B&B	2.75	2.50
30 to 36 ins., B&B	3.25	3.00
3 to 4 ft., B&B	3.75	3.50
4 to 5 ft., B&B	4.25	4.00
<i>Juniperus virginiana keteleeri</i>		
24 to 30 ins., B&B	2.25	2.00
30 to 36 ins., B&B	2.50	2.25
3 to 4 ft., B&B	3.00	2.75
4 to 5 ft., B&B	3.50	3.25
<i>Podocarpus sinensis</i>		
12 to 15 ins., B&B	1.15	1.00
15 to 18 ins., B&B	1.40	1.25
18 to 24 ins., B&B	1.75	1.50
<i>Thuja occidentalis Hetz's Winter Green</i>		
15 to 18 ins., B&B	1.40	1.25
18 to 24 ins., B&B	1.75	1.60
24 to 30 ins., B&B	2.25	2.00
<i>Abelia grandiflora</i>		
15 to 18 ins., B&B	.90	.80
18 to 24 ins., B&B	1.00	.90
2 to 3 ft., B&B	1.10	1.00
<i>Berberis sargentiana</i>		
15 to 18 ins., B&B	1.40	1.25
18 to 24 ins., B&B	1.75	1.50
<i>Buxus sempervirens cronii</i>		
10 to 12 ins., B&B	1.15	1.00
12 to 15 ins., B&B	1.40	1.25
15 to 18 ins., B&B	1.50	1.35
<i>Camellia sasanqua Maiden's Blush</i>		
15 to 18 ins., B&B	1.15	1.00
18 to 24 ins., B&B	1.40	1.25
24 to 30 ins., B&B	1.75	1.50
<i>Cleyera japonica</i>		
12 to 15 ins., B&B	1.00	.85
15 to 18 ins., B&B	1.20	1.00
<i>Elaeagnus fruitlandi</i>		
18 to 24 ins., B&B	1.10	.90
2 to 3 ft., B&B	1.20	1.00
3 to 4 ft., B&B	1.50	1.25
<i>Euonymus patens, small leaf</i>		
15 to 18 ins., B&B	.95	.75
18 to 24 ins., B&B	1.20	1.00
<i>Euonymus radicans erectus</i>		
15 to 18 ins., B&B	1.05	.90
<i>Hlex cornuta</i>		
15 to 18 ins., B&B	1.20	1.00
18 to 24 ins., B&B	1.45	1.25
<i>Hlex cornuta, seedlings</i>		
18 to 24 ins., B&B	1.40	1.25
24 to 30 ins., B&B	1.75	1.50
30 to 36 ins., B&B	2.00	1.75
3 to 4 ft., B&B	2.50	2.25
<i>Hlex cornuta burfordi</i>		
15 to 18 ins., B&B	1.15	1.00
18 to 24 ins., B&B	1.40	1.25
24 to 30 ins., B&B	1.75	1.50
<i>Hlex crenata convexa bullata</i>		
10 to 12 ins., B&B	.85	.70
12 to 15 ins., B&B	1.00	.80
15 to 18 ins., B&B	1.20	1.00
18 to 24 ins., B&B	1.70	1.50

	Each	10 or more
<i>Hlex crenata rotundifolia</i>	Each more	
15 to 18 ins., B&B	\$1.15	\$1.00
18 to 24 ins., B&B	1.75	1.50
24 to 30 ins., B&B	2.25	2.00
<i>Hlex glabra</i> (Inkberry)		
12 to 15 ins., B&B	1.00	.80
15 to 18 ins., B&B	1.15	.90
18 to 24 ins., B&B	1.40	1.20
<i>Hlex opaca East Palatka</i>		
13 to 24 ins., B&B	1.20	1.00
3 to 4 ft., B&B	1.70	1.50
3 to 4 ft., B&B	2.75	2.50
4 to 5 ft., B&B	3.25	3.00
<i>Hlex opaca femina</i>		
3 to 4 ft., B&B	2.75	2.50
<i>Hlex opaca Howard</i>		
2 to 3 ft., B&B	2.25	2.00
3 to 4 ft., B&B	3.25	3.00
<i>Hlex opaca Howard, seedlings</i>		
3 to 4 ft., B&B	2.75	2.50
4 to 5 ft., B&B	3.50	3.25
5 to 6 ft., B&B	4.00	3.75
<i>Hlex vomitoria</i>		
2 to 3 ft., B&B	2.00	1.75
3 to 4 ft., B&B	2.50	2.25
<i>Illicium anisatum</i>		
2 to 3 ft., B&B	1.40	1.20
3 to 4 ft., B&B	1.75	1.50
<i>Jasminum floridum</i>		
18 to 24 ins., B&B	.95	.80
2 to 3 ft., B&B	1.20	1.00
(Deduct 50% if wanted B.R.)		
<i>Laurocerasus caroliniana</i> (Cherry Laurel)		
2 to 3 ft., B&B	1.40	1.20
3 to 4 ft., B&B	1.75	1.50
4 to 5 ft., B&B	2.75	2.50
5 to 6 ft., B&B	3.50	3.25
<i>Ligustrum ionandrum</i>		
15 to 18 ins., B&B	1.35	1.20
18 to 24 ins., B&B	1.60	1.40
<i>Ligustrum lucidum compactum</i>		
18 to 24 ins., B&B	1.00	.90
24 to 30 ins., B&B	1.25	1.10
30 to 36 ins., B&B	1.50	1.35
<i>Magnolia grandiflora</i>		
2 to 3 ft., B&B	1.75	1.50
3 to 4 ft., B&B	2.75	2.50
4 to 5 ft., B&B	3.75	3.50
5 to 6 ft., B&B	5.00	4.50
6 to 7 ft., B&B	6.00	5.50
<i>Nandina domestica</i>		
15 to 18 ins., B&B	.90	.80
18 to 24 ins., B&B	1.15	1.00
24 to 30 ins., B&B	1.40	1.25
<i>Photinia serrulata</i>		
15 to 18 ins., B&B	.90	.80
18 to 24 ins., B&B	1.10	.90
2 to 3 ft., B&B	1.20	1.00
<i>Viburnum tinus</i>		
18 to 24 ins., B&B	1.15	1.00
24 to 30 ins., B&B	1.40	1.25
30 to 36 ins., B&B	2.00	1.75
<i>Acer palmatum atropurpureum, seedlings</i> (Red-leaved Japanese Maple)		
18 to 24 ins., B&B	2.00	1.75
2 to 3 ft., B&B	2.25	2.00
<i>Cydonia japonica</i>		
18 to 24 ins., B&B	1.00	.90
2 to 3 ft., B&B	1.15	1.00
(Deduct 50% if wanted B.R.)		
<i>Euonymus alatus compactus</i>		
18 to 24 ins., B&B	1.40	1.25
2 to 3 ft., B&B	1.75	1.50
(Deduct 50% if wanted B.R.)		
<i>Hypericum patulum</i> (St. John's-wort or sundrops)		
2 to 3 ft., B&B	1.40	1.20
<i>Red-Flame Honeysuckle</i>		
18 to 24 ins., B&B	1.15	1.00
(Deduct 50% if wanted B.R.)		
<i>Magnolia soulangeana</i>		
2 to 3 ft., B&B	2.00	1.75
3 to 4 ft., B&B	2.75	2.50
4 to 5 ft., B&B	3.50	3.25
5 to 6 ft., B&B	4.00	3.75
<i>Spiraea reevesiana flore-pleno</i> (Double Reeves Spiraea)		
3 to 4 ft., B&B	1.25	1.00

CANNED NURSERY STOCK

	1-gal.	2-gal.
<i>Elaeagnus fruitlandi</i>		
15 to 18 ins.	\$1.00	
18 to 24 ins.	1.10	
<i>Euonymus radicans erectus</i>		
12 to 18 ins.	\$.50	
<i>Gardenia fortunei</i>		
15 to 18 ins.	.50	
18 to 24 ins.	.60	

	1-gal.	2-gal.
<i>Hlex cornuta burfordi</i>		
12 to 15 ins.	\$.55	
12 to 15 ins., with berries	.65	
15 to 18 ins.	.85	
18 to 24 ins.	1.25	
<i>Hlex cornuta, male</i>		
12 to 15 ins.	.55	
<i>Hlex cornuta, seedlings</i>		
12 to 15 ins.	.50	
15 to 18 ins.	.60	
18 to 24 ins.	.70	

	1-gal.	2-gal.
<i>Hlex crenata buxifolia</i>		
10 to 12 ins.	\$.60	
12 to 15 ins.	.70	
15 to 18 ins.	.85	
<i>Hlex crenata convexa bullata</i>		
6 to 8 ins.	.50	
8 to 10 ins.	.60	
10 to 12 ins.	.70	
12 to 15 ins.	.80	
15 to 18 ins.	1.00	

SPECIAL

ready for

T. G.

CANNED STOCK—Continued.

Miss

Each

ch

10

15

20

25

30

35

40

45

50

55

60

65

70

75

80

85

90

95

100

105

110

115

120

125

130

135

140

145

150

155

160

165

170

175

180

185

190

195

200

205

210

215

220

225

230

235

240

245

250

<i>Hex crenata helleri</i>	1-gal.	2-gal.
6 to 8 ins.	\$0.80	...
8 to 10 ins.	1.00	...
<i>Hex crenata hetzi</i>		
6 to 10 ins.	.50	...
10 to 12 ins.	.60	...
12 to 15 ins.	.70	\$1.10
15 to 18 ins.	.80	1.25
<i>Hex crenata repandens</i>		
6 to 10 ins.	.55	...
10 to 12 ins.	.65	...
12 to 15 ins.	.75	1.10
15 to 18 ins.	...	1.25
<i>Hex crenata rotundifolia</i>		
6 to 10 ins.	.50	...
10 to 12 ins.	.60	...
12 to 15 ins.	.70	1.00
15 to 18 ins.	.80	1.20

<i>Ligustrum lucidum compactum</i>	1-gal.	2-gal.
12 to 15 ins.	\$0.50	...
15 to 18 ins.	.55	...
18 to 24 ins.	.65	\$1.00
24 to 30 ins.	...	1.20
<i>Magnolia grandiflora</i>		
12 to 18 ins.	.60	...
18 to 24 ins.	.75	...
2 to 3 ft.	.90	1.20
3 to 4 ft.	...	1.50
<i>Podocarpus sinensis</i>		
12 to 15 ins.	.55	...
15 to 18 ins.	.60	...
<i>Pyracantha bellii</i>		
18 to 24 ins.	.60	...
2 to 3 ft.	.75	...
<i>Pyracantha Government Red</i>		
12 to 18 ins.	.60	...
18 to 24 ins.	.75	...
2 to 3 ft.	.90	1.50

<i>Pyracantha coccinea lalandi</i>	1-gal.	2-gal.
15 to 18 ins.	\$0.55	...
18 to 24 ins.	.65	...
2 to 3 ft.	.80	\$1.25
3 to 4 ft.	...	1.40
<i>Pyracantha yunnanensis</i>		
15 to 18 ins.	.55	...
18 to 24 ins.	.60	...
2 to 3 ft.	.75	...
<i>Viburnum tinus</i>		
15 to 18 ins.	.50	...
18 to 24 ins.	.55	...
<i>Liquidambar styraciflua</i> (Sweet Gum)		
12 to 18 ins.	.50	...
18 to 24 ins.	.55	...
2 to 3 ft.	.60	...
3 to 4 ft.	.75	...

LINING-OUT STOCK

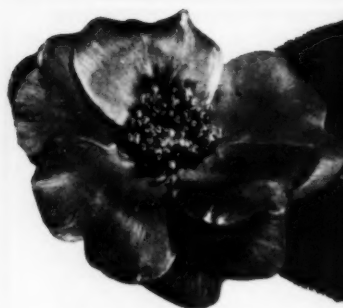
	Each	Each
	Per 100	Per 1000
<i>Taxus intermedia</i>	\$0.18	\$0.17
2 1/4-in. pots	...	...
<i>Taxus media andersoni</i>	.18	.17
*2 1/4-in. pots	...	...
<i>Taxus media hicksi</i>	.19	.17
2 1/4-in. pots	.20	.18
<i>Taxus media sieboldi</i>	.18	.17
2 1/4-in. pots	...	...
<i>Abelia grandiflora</i>	.15	.14
2 1/4-in. pots	.17	.16
<i>Berberis julianae</i>	.20	.18
2 1/4-in. pots	.22 1/2	.20
<i>Buxus sempervirens</i>	.17	.16
2 1/4-in. pots	.19	.18
<i>Buxus sempervirens eroni</i>	.20	.18
2 1/4-in. pots	.22	.20
<i>Cleyera japonica</i>	.20	.18
2 1/4-in. pots	.25	.22 1/2
3-in. pots	.27 1/2	.25
<i>Cleyera ochracea</i>	.22	.20
2 1/4-in. pots	...	...
<i>Elaeagnus fruticosa</i>	.16	.15
2 1/4-in. pots	.18	.17
<i>Euonymus microphyllus Pulchellus</i>	.17	.15
2 1/4-in. pots	...	...
<i>Euonymus radicans erectus</i>	.14	.12
2 1/4-in. pots	.22	.20
<i>Euonymus japonicus aureo-variegatus</i>	.24	.22
2 1/4-in. pots	...	...
<i>Gardenia fortunei</i>	.16	.15
2 1/4-in. pots	.18	.16
<i>Hex aquifolium</i>	.20	.18
2 1/4-in. pots	...	...
<i>Hex cassine Hybrid Fosteri No. 2</i>	.20	.17 1/2
2 1/4-in. pots	...	...
<i>Hex cornuta</i> , seedlings	.17	.15
2 1/4-in. pots	...	...
<i>Hex cornuta burfordi</i>	.14	.12
2 1/4-in. pots	.17	.15
<i>Hex cornuta femina</i>	.20	.18
2 1/4-in. pots	.22	.20
<i>Hex cornuta, male</i>	.17	.15
2 1/4-in. pots	.19	.17
<i>Hex crenata convexa bullata</i> (SURPLUS: Excellent quality at real BARGAIN PRICES.)	.12	.10
2 1/4-in. pots	.14	.12
6 to 8-in. beds, well-br.	.17	.15
<i>Hex crenata fosteri No. 1</i>	.18	.16
2 1/4-in. pots	...	...
<i>Hex crenata heidi</i>	.17	.16
2 1/4-in. pots	.18	.17
<i>Hex crenata repandens</i>	.15	.14
2 1/4-in. pots	.16	.15
<i>Hex crenata rotundifolia</i> (SURPLUS: Excellent quality at real BARGAIN PRICES.)	.10	.08
2 1/4-in. pots	.12	.10
6 to 8-in. beds, well-br.	.14	.12

	Each	Each
	Per 100	Per 1000
<i>Hex opaca East Palatka</i>	\$0.16	\$0.15
2 1/4-in. pots	.18	.17
<i>Hex opaca femina</i>	.19	.18
2 1/4-in. pots	.23	.20
<i>Hex opaca Howard</i>	.19	.18
*2 1/4-in. pots	.22	.20
<i>Hex opaca Howard, seedlings</i>	.14	.12
2 1/4-in. pots	...	...
<i>Jasminum floridum</i>	.12	.10
2 1/4-in. pots	...	...
<i>Larococcus caroliniana</i> (Cherry Laurel)	.10	.08
8 to 12 ins., S.	.14	.12
2 1/4-in. pots	.16	.14
<i>Ligustrum lucidum compactum</i>	.14	.12
2 1/4-in. pots	.17	.15
<i>Ligustrum sinense pendula</i> (Weeping Amur River South Privet)	.10	.08
2 1/4-in. pots	...	...
<i>Ligustrum Texanum</i>	.17	.15
2 1/4-in. pots	.19	.17
<i>Magnolia grandiflora</i>	.16	.15
2 1/4-in. pots	...	...
<i>Nandina domestica</i>	.06	.05
3 to 4 ins., S.	.12	.10
2 1/4-in. pots	.14	.12
2 1/4-in. pots	.17	.15
<i>Osmanthus fortunei</i> (Holly-Leaved Olive), very hardy	.16	.15
2 1/4-in. pots	.19	.17
<i>Photinia serrulata</i>	.04	.03
3 to 4 ins., S.	.06	.05
4 to 6 ins., S.	.17	.15
2 1/4-in. pots	...	...
<i>Pittosporum tobira</i>	.05	.04
2 to 4 ins., S.	.14	.12
2 1/4-in. pots	...	...
<i>Pyracantha bellii</i> , red fruit	.20	.18
*2 1/4-in. pots	...	...
<i>Pyracantha coccinea lalandi</i>	.17	.15
2 1/4-in. pots	.19	.17
<i>Pyracantha Government Red</i>	.18	.16
*2 1/4-in. pots	.20	.18
<i>Pyracantha yunnanensis</i> , red fruit	.17	.16
*2 1/4-in. pots	...	...
<i>Viburnum tinus</i>	.12	.10
2 1/4-in. pots	...	...
<i>Acer palmatum atropurpureum</i> , seedlings	.11	.10
2 to 4 ins., S.	.21	.20
2 1/4-in. pots	.26	.25
<i>Berberis thunbergii atropurpurea</i>	.11	.10
2 1/4-in. pots	.13	.12
<i>Cornus florida</i>	.06	.04
6 to 8 ins., S.	.06	.05
2 1/4-in. pots	.12	.10
2 1/4-in. pots	.14	.12
<i>Lagerstroemia indica Wm.</i> Toovey (Crape Myrtle)	.17	.16
2 1/4-in. pots	.20	.18
<i>Liquidambar styraciflua</i> (Sweet Gum Tree)	.07	.06
8 to 12 ins., S.	.10	.08
12 to 15 ins., S.	...	...
<i>Hedera helix</i> (English Ivy)	.16	.15
2 1/4-in. pots	.18	.16

SPECIAL NOTICE: Items marked by (*) will be available for delivery spring of 1960. All items not so marked are ready for immediate or later shipment to suit customer's requirements.

T. G. OWEN & SON, INC.

Columbus, Miss.



Profit from the demand for Sarabande

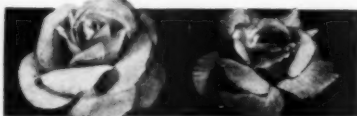
ALL-AMERICA WINNER
FOR 1960

Selected by America's top rose experts as a winner, the new oriental red floribunda, Sarabande, will be a favorite. Be ready to meet the demand for this beauty among roses. Its unusually brilliant blooms are accented with bright yellow stamens. Sarabande will perform as well for your trade as it did in a two-year test in All-America gardens throughout the nation. (Plant Patent No. 1761.)

FIRE KING, another All-America winner for 1960, is a flame-red floribunda with huge clusters of fully double blooms and rich, deep green foliage. (Plant Patent No. 1758.)

GOLDEN GIRL is the amazing new Conard-Pyle grandiflora which adds masses of pure yellow color to the garden and is also excellent for cutting. A prolific bloomer. (Plant Patent applied for.)

Get your natural-color, 27x30-in. wall poster, showing 12 Roses of Distinction, direct from Conard-Pyle.



Fire King

Golden Girl

Order your supplies now from your grower or write:

GROWERS OF THE FAMOUS STAR ROSES



The Conard-Pyle Co.

WEST GROVE 220, PENNA.

NURSERY SALES, INC.

P. O. Box 295, 525 Stevens Ave.

Ridgewood, N. J.

Phone: GI 4-6848

Affiliate of Peninsula Nurseries, Inc.
Melfa, Va.

Landscape-size Evergreens, Azaleas,

Ornamental Trees and Plants

Specializing in heavy, quality,
lining-out stock.

Up to 7 to 8 ft.
Pink and white

DOGWOOD

Upright and
Spreading



YEW

Write for price list. All stock
certified for western ship-
ment. We would enjoy hav-
ing you visit us and look
over our stock.

CLINTON NURSERIES

Clinton, Conn.

on Boston Post Rd. (U.S. 1) • MCNtrose 9-8611

NURSERY STOCK

Per 100 Per 1000

Red-leaved Barberry

2-yr., S., 9 to 12 ins. \$ 6.50 \$50.00

2-yr., S., 12 to 18 ins. 10.00 75.00

Row run, 9 to 18 ins. 7.50 60.00

Cornus florida (White Dogwood)

1-yr., S., budding size. 6.00 50.00

1-yr., S., below budding

size 4.50 35.00

Ask for list.

BROUWER'S NURSERIES

Box 25

New London, Conn.

B & B EVERGREENS

Hemlock

Pfitzer Juniper
Globe Arborvitae

Nursery located north end of
Broad Brook on Connecticut High-
way No. 140.

Ask for Wholesale Price List

E. NORMAND MYERS

Nurseryman

Broad Brook, Conn.

QUALITY STOCK GROWN BY US

Roses, Azaleas, Evergreens, California
Privet, Green Barberry, Red Barberry
(fine strain).

Seedlings and transplants.

DANEGGER'S HI-WAY NURSERY, INC.

P. O. Box 236

MILFORD, DEL.

DECIDUOUS AND EVERGREEN TREES AND SHRUBS

Outstanding assortment.

Write for Wholesale Price List.

LOVETT'S NURSERY, INC.

LITTLE SILVER, N. J.

ing in the Nursery," by Wiley Taylor,
Charleston, S. C.

6 p. m.—Banquet, Dr. Fred Cochran
presiding. Speaker: Dr. Emol A. Fails,
economics department, North Carolina
State College, "Selling for a Profit."

JANUARY 5

9 a. m.—"Nematodes, Their Presence
and Control in Ornamental Crops," by
Dr. Frank Haasis and J. C. Wells, plant
pathology department, North Carolina
State College.

10 a. m.—"Hollies," by Warren Steed,
Steed's Nursery, Candor, N. C.

10:45 a. m.—"Bedding Plants," panel
discussion, with Dr. J. B. Gartner, mod-
erator; William Dieckmann; Amos Fowl-
er; Earl Petty, and James Melton.

11:30 a. m.—Lunch.

1 p. m.—"Container Stock," panel dis-
cussion, with Dr. T. F. Cannon, mod-
erator; Dr. J. N. Joiner; Warren Steed,
Warren Steed, and J. S. Howard.

1:45 p. m.—"On the Carpet"—ques-
tions and answers on various subjects.
Panel: All short course speakers and state
college horticulture department faculty,
with John Harris, moderator.

2:30 p. m.—Visit ornamental research
nursery at the central crops research sta-
tion, Clayton, with Robert Schramm as
tour guide and moderator.

4:30 p. m.—Adjournment.

INDIANA ARBORISTS

Details of the midwinter confer-
ence and short course of the Indiana
Arborist Association, to be held Jan-
uary 6 to 8 at the Purdue Memorial
Union, Purdue University, West La-
fayette, Ind., have been released by
Donald L. Schuder, associate profes-
sor, department of entomology, Pur-
due University, secretary of the asso-
ciation, as follows:

JANUARY 6

1:15 p. m.—Welcome, by Dr. E. C.
Stevenson, head, department of horticulture,
Purdue University, Lafayette, Ind.

1:30 p. m.—"T.S.S." (a line clearing
forum), with William Smith, Muncie Tree
Surgery Corp., as moderator, and Ver-
non Townsend, Townsend Tree Service
Company, and Ryland B. Smith, Superior
Tree Expert Co.

2:30 p. m.—"A Critical Appraisal of
the Line Clearing Problem," by A. F.
Augustine, superintendent, transmission
and distribution, Indianapolis Power &
Light Co.

3:30 p. m.—"You Can't Take It with
You," by Homer B. Hansel, advanced
underwriting consultant, Commonwealth
Life Insurance Co., Louisville, Ky.

4:30 p. m.—Introduction of exhibitors.
Evening—Horticulture week banquet,
with nationally known speaker. Attend-
ance optional.

JANUARY 7

9:30 a. m.—"Public Utilities and High-
way Trees," by E. C. Eckert, chief for-
ester, Michigan state highway depart-
ment.

10:30 a. m.—"Human Relations," by
Donald L. Bowton, Dale Carnegie
courses, Fort Wayne, Ind.

1:15 p. m.—"Plant Disease Identifica-
tion and Control," by Dr. J. C. Carter,
Illinois natural history survey, Urbana,
Ill.

3:15 p. m.—"Selection of Trees for
Planting," by H. W. Gilbert and N. W.

BAIER LUSTGARTEN AZALEALAND NURSERIES

Northern-grown, hardy azaleas, well-budded, sheared, heavy stock, field-grown, excellent foliage, over 200,000 for fall and spring delivery. All B&B.

	Each		Each		Each
Amoena		Maxwelli		Favorite	
8 ins.	\$0.75	8 ins.	\$0.75	8 ins.	\$0.75
10 ins.	1.00	10 ins.	1.00	10 ins.	1.00
12 ins.	1.25	12 ins.	1.25	12 ins.	1.25
15 ins.	2.00	15 ins.	2.00	15 ins.	2.00
18 ins.	2.50	18 ins.	2.50	18 ins.	2.50
Coral Bells		Louise Gable		Polaris	
8 ins. ....	.75	8 ins.	1.00	8 ins. ....	.75
10 ins.	1.00	10 ins.	1.25	10 ins.	1.00
12 ins.	1.25	12 ins.	1.50	12 ins.	1.25
15 ins.	2.00	15 ins.	2.50	15 ins.	2.00
Hinodegiri		Rose Bud		Beethoven	
Our Hinos are very dark red.		8 ins.	1.00	8 ins. ....	.75
8 ins. ....	.75	10 ins.	1.25	10 ins.	1.00
10 ins.	1.00	12 ins.	1.50	12 ins.	1.25
12 ins.	1.25	15 ins.	2.50	15 ins.	2.00
15 ins.	2.00	18 ins.	3.50	18 ins.	2.50
18 ins.	2.50	24 ins.	6.50	20 ins.	3.50
20 ins.	3.50	Rose Greely		Johann Strauss	
24 ins.	5.00	8 ins.	1.00	8 ins. ....	.75
30 ins.	6.00	10 ins.	1.25	10 ins.	1.00
36 ins.	7.50	12 ins.	1.50	12 ins.	1.25
Orange Beauty, Kurume		15 ins.	2.50	15 ins.	2.00
8 ins. ....	.75	18 ins.	3.50	18 ins.	2.50
10 ins.	1.00	24 ins.	6.50	20 ins.	3.50
12 ins.	1.25	Addy Wery		Lilacina	
15 ins.	2.00	8 ins.	1.00	8 ins. ....	.75
18 ins.	2.50	10 ins.	1.25	10 ins.	1.00
Hino-Crimson		12 ins.	1.50	12 ins.	1.25
8 ins. ....	.75	15 ins.	2.50	15 ins.	2.00
10 ins.	1.00	18 ins.	3.50	18 ins.	2.50
12 ins.	1.25	Apple Blossom, Kurume		20 ins.	3.50
15 ins.	2.00	8 ins. ....	.75	24 ins.	5.00
18 ins.	2.50	10 ins.	1.00	Kaempferi	
Snow		12 ins.	1.25	Hardest of all azaleas; sheared,	
8 ins. ....	.75	15 ins.	2.00	well-budded, heavy.	
10 ins.	1.00	18 ins.	2.50	Othello, Salmon Beauty, Fedora and	
12 ins.	1.25	20 ins.	3.50	Carmen	
15 ins.	2.00	24 ins.	5.00	8 ins. ....	.75
Ledifolia Alba		Daybreak, Kurume		10 ins.	1.00
8 ins. ....	.75	8 ins. ....	.75	12 ins.	1.25
10 ins.	1.00	10 ins.	1.00	15 ins.	2.00
12 ins.	1.25	12 ins.	1.25	18 ins.	2.50
15 ins.	2.00	15 ins.	2.00	20 ins.	3.50
18 ins.	2.50	18 ins.	2.50	24 ins.	5.00
20 ins.	3.50	20 ins.	3.50	30 ins.	6.00
24 ins.	5.00			36 ins.	7.50

Rooted cuttings of all above varieties ready now. \$50.00 per 1000.

1-yr., T., \$125.00 per 1000.

Our azalea beds are treated for shipment outside Japanese Beetle zone.

BAIER LUSTGARTEN

Jericho Turnpike, Middle Island, L. I., N. Y.

Phone: Yaphank 4-3444

Long Island's Largest Nurseries

WRITE FOR CATALOG

THE RHODE ISLAND NURSERIES, INC.

Newport, R. I.

Lining-Out Stock

<i>Acer palmatum</i> , understock grade, 1-yr., S.	<i>Taxus cuspidata</i> 2-yr., T. 4-yr., TT.
<i>Azalea calendulacea</i> , 3-yr., TT.	<i>Taxus cuspidata nana brevifolia</i> , 2-yr., T.
<i>Berberis thunbergii atropurpurea</i> , 2-yr., S. 8 to 12 ins. 12 to 15 ins. 15 to 18 ins.	<i>Taxus cuspidata densiformis</i> 2-yr., T. 4-yr., TT.
<i>Cornus florida</i> , understock grade, 2-yr., T.	<i>Taxus media browni</i> , 2-yr., T.
<i>Euonymus patens</i> , 3-yr., T.	<i>Taxus media hatfieldi</i> 2-yr., T. 4-yr., TT.
<i>Fagus sylvatica</i> , understock grade, 1-yr., S.	<i>Taxus media Halloran</i> , 2-yr., T.
<i>Hydrangea P. G.</i> , 2-yr., T.	<i>Taxus media hicksi</i> , 2-yr., T.
<i>Leucothoe catesbaei</i> , 3-yr., TT.	<i>Taxus media nigra</i> , 2-yr., T.
<i>Myrica pensylvanica</i> , 2-yr., T.	<i>Taxus media thayerae</i> , 2-yr., T.
<i>Picea pungens</i> , 4-yr., TT.	<i>Viburnum dentatum</i> , understock grade, 2-yr., T.
<i>Pieris japonica</i> , 4-yr., TT.	

PRICES ON REQUEST

ILEX CONVEXA

One of the largest blocks of hardy, northern-grown ilex. Heavy, well-sheared plants with exceptionally good color. Prices are each per 100 (25 or more). Write for special quotation on large quantities.

18 to 24 ins.....	\$2.75
24 to 30 ins.....	3.50
30 to 36 ins.....	5.00
3 to 3½ ft.....	6.00
3½ to 4 ft.....	7.00

ANGELICA NURSERIES

R. D. No. 1

Mohnton, Pa.



QUALITY NURSERY STOCK

Complete Line
Quotations and Price List
on Request

DUTCH BULBS

Finest Quality
Write for catalog.
Nurseries in Windsor, Conn.

TREE PEONIES

Ready to Pot for Spring Sales
Ask for Wholesale Price List
VANDER POL TREE PEONY GARDENS
Fairhaven, Mass.

TAXUS

2-yr., T.

Browni	Densiformis
Halloran	Hicksi
Moon's columnaris	
Thayerae	Wardi

Taxus cuspidata capitata
2-yr., S.

Send for list.

VERKADE'S NURSERIES

P. O. Box 336
New London, Conn.

EVERGREEN

Seedlings and Transplants

Growers of Spruce, Fir, Hemlock,
Juniper, Mugho Pine, etc.
Free Wholesale Price List

SUNCREST NURSERIES

Box 305-F Homer City, Pa.

Marty, department of horticulture, Purdue University.

7:30 p. m.—Informal discussion. Conference speakers and Purdue University specialists will answer questions from members, who are invited to bring interesting slides.

ARBORISTS' SHORT COURSE

JANUARY 8

9 a. m.—"Insects—Identification and Control," by Dr. D. L. Schuder, associate professor, department of entomology, Purdue University.

11 a. m.—"Safe Methods of Applying Spray Materials," by John Z. Duling, Duling Tree Expert Co., Muncie, Ind.

1 p. m.—"Tree Identification—Summer and Winter," by Andrew T. Leiser, department of horticulture, Purdue University.

VIRGINIA SHORT COURSE

The third annual nurserymen's short course, sponsored by the Northern Virginia Nurserymen's Association and the Virginia Polytechnic Institute, Blacksburg, Va., will be held January 4 to 6, at the Fairfax County Courthouse, Fairfax, Va. The following topics will be discussed, according to Albert S. Beecher, associate horticulturist, Virginia Polytechnic Institute:

JANUARY 4

"Planting Design," by Albert S. Beecher.

"Salesmanship," by O. Lindsay Clarkson, the Clarkson Agency, Tuckahoe, N. J.

"New Varieties of Plant Material," by Dr. J. H. Tinga, horticulturist, V.P.I. Plant identification contest.

JANUARY 5

"Weed Control," by Allen Kates, extension weed specialist, V.P.I.

"Operating the Garden Center," by Arthur Lancaster, Coleman Nursery, Inc., Portsmouth, Va.

"Soil Problems in Northern Virginia," by J. E. Beard, agricultural agent, Fairfax, Va.

"Hardiness in Plants and Factors Controlling Them," by Dr. J. H. Tinga.

JANUARY 6

"The Newest Controls for Plant Diseases," by Dr. R. H. Gruenhagen, plant pathologist, V.P.I.

"Plant Identification in the Dormant Stage," by Albert S. Beecher.

DETAILS FOR MARYLAND

Program details for the annual meeting of the Maryland Nurserymen's Association, to be held January 12 and 13 at the Southern hotel, Baltimore, Md., were recently announced by Secretary C. M. Akhurst as follows:

JANUARY 12

9 a. m.—Registration.

9:45 a. m.—Call to order. Secretary's and treasurer's reports and committee appointments.

10:10 a. m.—President's address, by Gilbert Gude, A. Gude Sons Co., Rockville.

10:30 a. m.—"Retailing Problems in the Nursery Industry," by D. Murray



Bird Growing Containers save you time and labor; enable you to command top prices for prime plants; are economical through low cost. Order from your distributor or send coupon for prices and complete information.



BIRD VITA-GREEN POTS

Ideal For Re-Sale

Designed for rough handling involved in retail sales. Slow down root penetration during early growth, yet disintegrate after transplanting. Nutrient treated to prevent nitrogen depletion of soil. Five sizes: 2¼"; 2½"; 3"; 3½"; 4".



BIRD PERENNIAL POTS

Durable — Inexpensive

Add 3-5 months to your sales season. For all perennials — roses, mums, shrubs, bulbs. Four sizes — 5", 5½", 6½", 9½" heights.



BIRD VITA-BANDS

Prevent Transplant Shock

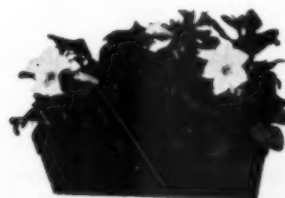
Nutrient treated to prevent nitrogen depletion of soil. Contain roots to transplant stage. Promote early maturity. Vita-Band "10" for annual and vegetable plants. Vita-Band "H" for perennials and long-term crops. Vita-Band "D" for mechanical transplanting. 8 sizes.



BIRD PEAT POTS

Now In Full Size Range

Designed for quick root penetration, rapid disintegration after transplanting. Bottom drainage hole. Top rim assures aeration around pots even when stacked close together. Full range of sizes, both round and square.



BIRD GRO-TAINERS®

For Volume Sales

Help promote sale of twelve or six plants at one time. Durable fibre construction. Lightweight. Drainage holes for proper moisture control. Sidewall aeration. Tapered sides. Three convenient sizes.

Quality Products Since 1795
FLOOR COVERINGS • ROOFING & SIDINGS
CORRUGATED & PAPERBOARD BOXES
INDUSTRIAL PRODUCTS



BIRD & SON, Inc., Dept. AN

East Walpole, Massachusetts

Please send me complete information and prices on Bird Growing Containers.

Name

Street & No.

City & State

Top-Quality EVERGREEN STOCK Spring, 1960 Seedlings and Transplants

Per 100 Per 1000

Scotch Pine		
2-yr., S., 2 to 4 ins....	\$ 2.00	\$10.00
2-yr., S., 4 to 8 ins....	4.00	20.00
3-yr., S., 8 to 14 ins....	4.00	20.00
3-yr., S., 10 to 18 ins....	6.00	28.00
French Scotch Pine		
2-yr., S., 1 to 3 ins....	2.00	10.00
2-yr., S., 3 to 6 ins....	4.50	22.50
3-yr., S., 7 to 15 ins....	7.00	35.00
(2-2), T., 5 to 8 ins....	8.00	40.00
(2-2), T., 7 to 12 ins....	15.00	75.00
Spanish Scotch Pine		
2-yr., S., 1 to 3 ins....	2.00	10.00
2-yr., S., 3 to 6 ins....	4.50	22.50
3-yr., S., 6 to 12 ins....	7.00	35.00
Austrian Pine		
2-yr., S., 3 to 5 ins....	4.00	20.00
Colorado Blue Spruce		
3-yr., S., 2 to 4 ins....	2.50	12.50
3-yr., S., 4 to 8 ins....	7.00	35.00
4-yr., S., 6 to 12 ins....	10.00	50.00
4-yr., S., 10 to 16 ins....	17.00	85.00
Norway Spruce		
2-yr., S., 2 to 4 ins....	2.00	10.00
2-yr., S., 4 to 8 ins....	4.00	20.00
3-yr., S., 5 to 10 ins....	6.00	30.00
3-yr., S., 8 to 14 ins....	8.00	40.00
White Spruce		
3-yr., S., 2 to 4 ins....	2.50	12.50
3-yr., S., 4 to 8 ins....	5.00	25.00
Douglas Fir		
3-yr., S., 1 to 3 ins....	3.00	15.00
3-yr., S., 3 to 8 ins....	7.00	35.00
4-yr., S., 5 to 10 ins....	9.00	45.00
(2-2), T., 3 to 7 ins....	10.00	50.00
Concolor Fir		
2-yr., S., 2 to 4 ins....	3.00	15.00
3-yr., S., 4 to 8 ins....	11.00	55.00

Write for complete list.

SAM DIBLE NURSERY
R. F. D. 3 Shelocta, Pa.
Rootsprad Tree Planter Sales

IMPERIAL NURSERIES of Long Island

Some of our
specialties
are:

**Ilex — Pieris —
Pinus — Taxus**

Ask for Catalog

Miller Place Rd. (off Rt. 25A)
Miller Place, L. I., N. Y.

ROSES

Central Pennsylvania Grown
2-yr.-old, field-grown plants.
Hybrid Teas—Floribundas—Climbers

EVERGREENS

Landscape Material
Twice transplanted, regularly sheared.
Young, salable evergreens for cash-and-carry
trade of garden shops, roadside markets and
nurseries.

Write for wholesale price list.

SHADE'S NURSERY
624 Colonial Club Dr.
Harrisburg, Pa.

Phone: Harrisburg, KI 5-5417
5 miles east of Harrisburg on U. S. Rt.
22, turn north at Inn 22, nursery 1 mile
north of U. S. Rt. 22.

Franklin, publisher, Garden Supply Merchandiser magazine.

12:15 p. m.—Lunch, with guest speaker to be announced.

2 p. m.—“How Dangerous Are Pesticides to Wildlife?”—panel discussion.

3 p. m.—“Public Relations for the Nursery Industry,” by James Griffin, Jr., Key Biscayne, Fla., executive secretary, Florida Nurserymen and Growers Association.

6 p. m.—Dinner.

9 p. m.—Square dance.

JANUARY 13

9:30 a. m.—Report on American Association of Nurserymen's management conference.

10 a. m.—“Advertising and Ethics in the Nursery Business,” by James Horton, A. A. N. special counsel, Washington, D. C.

10:30 a. m.—“The Executive Secretary and State Nursery Organizations,” by James Griffin, Jr.

11:30 a. m.—Trade fair.

12:15 p. m.—Banquet. Presentation of professional achievement award.

2:20 p. m.—Business meeting. Committee reports and election of officers.

CONNECTICUT HIGHLIGHTS

Erwin W. Whitham, secretary of the Connecticut Nurserymen's Association, announces that the group's annual meeting at the Waverly Inn, Cheshire, Conn., will be called to order at 9:30 Wednesday morning, December 30. The principal item on the agenda of the opening business session will be discussion of proposed changes in the association bylaws. C. N. A. scholarship awards and 4-H Club awards will also be presented at this time.

A social period will precede the noontime roast beef dinner, at which presentation of the A. A. N. industrial landscape awards will be made. The afternoon session of the 1-day meeting will feature guest speaker Robert Zion, New York, N. Y., who will give an account of “Site Planning of the American Exposition at Moscow.”

N. L. N. A. MEETING

The annual meeting of the National Landscape Nurserymen's Association has been scheduled for January 10, it was recently announced by the association's treasurer, Lloyd G. Platt, Platt's Landscape Nursery, Davenport, Ia. Headquarters for the meeting will be at the Hotel La Salle, Chicago, Ill.

MICHIGAN WINTER MEETING

January 26 to 28 are the dates set for the annual winter meeting of the Michigan Association of Nurserymen. Participants will convene at the Statler-Hilton hotel, Detroit, Mich., according to A. H. Goldner, general chairman of the association.



PRINCETON NURSERIES

1300 acres devoted to the production of the finest in ornamental plants.

Featuring shade and flowering trees in wide assortment.

Flowering shrubs, hedge plants, ground covers, evergreens, azaleas, vines, etc.

VISIT OUR NURSERY
SEND YOUR WANT LIST
WHOLESALE ONLY

PRINCETON NURSERIES

Princeton, N. J.
Phone: WA 4-1776

BOBBINK NURSERIES, INC.

Specialists in Coniferous and Broad-Leaved Evergreens, Shrubs and Trees.

586 Paterson Ave.
East Rutherford, N. J.

LINING-OUT STOCK

In Wide Assortment

Acer atropurpureum Bloodgood, Azaleas, Berberis, Cornus florida rubra, Evergreens, Ilex, Magnolias, Hybrid Rhododendrons, Taxus, in variety, etc., in 1, 2 and 3-yr. transplants at competitive prices. Write for list on business stationery.

DEERFIELD NURSERIES

Deerfield, N. J.

It Pays to Plant the Best—

- Pines • Firs • Spruce • Hemlock
- Seedlings and Transplants for Christmas Trees
- Ornamental • Flowering Trees • Nut Trees

Write for free catalog.



Pikes Peak Nurseries

Quality Nursery Stock For More Than 35 Years

801 WATER ST. INDIANA 1, PA.

SHEPARD NURSERIES

Growers and Distributors of

ORNAMENTAL NURSERY STOCK

Truckloads only, no boxing.
60 acres growing. Skaneateles, N. Y.

PACIFIC COAST NURSERY

Rt. 1, Box 114B, PORTLAND 10, ORE.

Phone: MAYfair 1-3325

**Pioneering Seedling Growers on
the Pacific Coast Since 1914**

***Specializing in Fruit Tree Seedlings,
Shade and Flowering Trees***

French, McIntosh and
Domestic Apple Seedlings,
Str. and Br.

Bartlett Pear Seedlings,
Str. and Br.

French Pear Seedlings,
Str. and Br.

Calleryana Pear Seedlings,
Str. and Br.

Manchu Cherry Seedlings
(*Prunus tomentosa*)

Mahaleb Cherry Seedlings

Mazzard Cherry Seedlings

Myrobalan Plum Seedlings

American Plum Seedlings

Angers Rooted Quince
Cuttings

Combination carloads to eastern distributing points.

John Holmason & Sons
Props.

WHOLESALE GROWERS

B&B

Field Liners

Potted Liners

Transplants

Seedlings

100 acres of evergreens for sale

HEASLEY'S NURSERIES

247 Freeport Rd.

Butler, Pa.

JOS. A. HREN NURSERIES

BLACK PINE

LANDSCAPE-SIZE PLANT

Rare Plants

MATERIAL

Catalog

East Hampton, L. I., N. Y.

Phone: EA 4-0640

PYRACANTHA LALANDI

5-qt. oil can, staked.

	Each	Each
	Per 10	Per 100
18 to 24 ins.	\$1.50	\$1.25

TAXUS CUSPIDATA

Heavy rooted, sheared.

	Each	Each
	Per 10	Per 25
18 to 24 ins.	\$4.00	\$3.75
24 to 30 ins.	6.50	6.25

AMERICAN ARBORVITAE

Heavy, sheared

	Each	Each
	Per 10	Per 25
3 to 4 ft.	\$4.25	\$4.00
4 to 5 ft.	5.25	5.00

Many Other Landscape Items

SUMMIT PARK NURSERY

New Hempstead Rd. Phone: EL 6-1296
Spring Valley, N. Y.

SEEDLINGS & TRANSPLANTS

Pines, Spruces, Firs, Hemlocks, etc.
Write for new price list.

PINE GROVE NURSERY

R. D. No. 3 Clearfield, Pa.

"A friendly, efficient sales service"

E. D. ROBINSON SALES AGENCY

38 S. Elm St. P. O. Box 247
Wallingford, Conn.

*Representing Wholesale Growers
of Fine Nursery Stock.*

SERVING THE NURSERY TRADE FOR MORE
THAN A QUARTER OF A CENTURY
See our large ad on pages 24 and 25
of the December 1 issue.

TAXUS TRANSPLANTS

	Each
6 to 8 ins.	20c
Cuspidata	25c
Media brownl	25c
Media hicksl	25c
8 to 10 ins.	35c

Send for List of Rare Plants

ALANWOLD NURSERY
NESHAMINY, Bucks Co., PA.

AZALEAS AND HEDGE PLANTS

Splendid stock.

Write for Price List.

DIAMOND STATE NURSERIES
MILFORD, DEL.

MARYLAND PROMOTION

A broad program of public relations is carried on by the Maryland Nurserymen's Association to disseminate information not only about the association's work but concerning the nursery industry in general. Enhancement of these efforts is seen in the group's study of a plan during the past year to employ a full-time executive secretary. Ways and means to carry out this idea and the preparation of an association program of wider scope have been made into a plan that will be submitted to the membership for approval at the group's annual meeting next month at Baltimore.

One of the group's developments, an indoor display available to all members for use at local shows, was exhibited at the Philadelphia convention of the American Association of Nurserymen, where it won favorable comment. It was also shown at a county fair and a harvest show in the state.

A tree list prepared by the association and published two years ago has been the basis for many newspaper articles throughout the state and was also published in a telephone company's employee publication.

TV Program

The association participated in a half-hour television program, "Outdoor Living," on station WBAL, channel 11, Baltimore, on Friday at 1:30 p. m. This program, sponsored by the University of Maryland extension service, was on a trial basis. It has now been extended and given a more favorable Saturday spot at the same hour. Members have taken part in the program and supplied plant materials used in the shows.

The TV program is part of the group's cooperation with assistant county agents serving urban and suburban homeowners. An officer of the M. N. A. assisted in the planning stages of this television program. Members of the M. N. A. are working with the assistant county agent in adult education in one county.

DOWNTOWN TREES MOVED

Eighty-two ash trees in redwood tubs, which lined streets in the business section of South Bend, Ind., during the past spring and summer, were removed recently to be transplanted in a nearby nursery for the winter. A total of 101 trees was tubbed and placed along the city streets last spring in a beautification program sponsored and financed by the South Bend downtown council:

MENNE-POTS

WHY
PAY
MORE... when



MENNE-POTS COST LESS

Size 0 Top . . . 4"
Bottom 2 1/4" High 4"
Weight per 100
Reg. 10 lbs. Heavy 25
Regular Weight
100 \$2.75 1000 \$25.00
Heavy Weight
100 \$3.75 1000 \$35.00

Size 0 1/2 Top . . . 5"
Bottom 4" High 6"
Weight per 100
Reg. 15 lbs. Heavy 30
Regular Weight
100 \$3.50 1000 \$32.50
Heavy Weight
100 \$4.50 1000 \$42.50

Size 1 Top . . . 6"
Bottom 5" High 6"
Weight per 100
Reg. 18 lbs. Heavy 35
Regular Weight
100 \$4.00 1000 \$37.50
Heavy Weight
100 \$5.25 1000 \$50.00

Size 2 Top . . . 7"
Bottom 5 1/2" High 9"
Weight per 100
Reg. 24 lbs. Heavy 55
Regular Weight
100 \$4.50 1000 \$42.50
Heavy Weight
100 \$5.75 1000 \$55.00

Size 3 Top . . . 8 1/4"
Bottom 6 1/4" High 8"
Weight per 100
Reg. 30 lbs. Heavy 70
Regular Weight
100 \$5.00 1000 \$47.50
Heavy Weight
100 \$6.25 1000 \$60.00

Size *4 Top . . . 10"
Bottom 8" High 10"
Weight per 100-120 lbs.
100 \$11.00
500 \$22.50 1000 \$100
*Heavy Only --
For trees and shrubs

Size *5 Top . . . 12"
Bottom 10" High 12"
LG POT
Weight per 100-250 lbs.
20 30c ea. 100 \$27.50
500 \$125 1000 \$225
*For extra-heavy
trees, large shrubs

Size Pan Top . . . 8 1/4"
Bottom 7 1/4" High 8"
PAN Weight per 100
Reg. 30 lbs. Heavy 70
Regular Weight
100 \$5.00 1000 \$47.50
Heavy Weight
100 \$6.25 1000 \$60.00

1 1/4" Square
8,500 to 17,500 \$ 7.00 M
20,000 to 75,000 6.50 M
75,000 and up 6.00 M
5,000 per case -- 30 lb.

2 1/4" Round
8,000 to 18,000 \$ 7.25 M
20,000 to 74,000 6.75 M
75,000 and up 6.25 M
2,000 per case -- 32 lb.

2 1/4" Square
8,500 to 18,000 \$11.00 M
20,000 to 74,000 10.25 M
75,000 and up 9.50 M
5,000 per case -- 36 lb.

3" Round
1,000 to 9,000 \$12.25 M
10,000 to 49,000 12.25 M
50,000 and up 11.00 M
1,000 per case -- 28 lb.

3" Square
1,000 to 9,000 \$13.25 M
10,000 to 49,000 12.00 M
50,000 and up 11.75 M
5,000 per case -- 30 lb.

4" Round
500 to 3,000 \$29.25 M
3,500 to 8,500 26.75 M
10,000 and up 25.25 M
500 per case -- 30 lb.

4" Square
500 to 3,000 \$30.75 M
3,500 to 8,500 28.75 M
10,000 and up 26.75 M
500 per case -- 30 lb.

Freight Allowed
On 150 Lbs. Or More
Prompt shipment
guaranteed on all orders.

SUPERIOR STRENGTH Rugged construction gives you a better pot! Withstands rough handling . . . will not break apart.

DRAINAGE Unique side drainage feature makes water-logging impossible . . . no worry while pot stands in yard!

LIGHT WEIGHT Easy to handle . . . economical. Light weight cuts shipping costs. Menne-Pots save you money!

COMPLETELY ASSEMBLED Staped Bottom . . . a Menne-Pot can be used immediately! No waste "set-up" time. No heating.

Menne-Pots Help You Sell!

Customers prefer nursery stock in Menne-Pots because of handling ease and they can be carried in a car without dirt or muss. Menne-Pots are perfect for merchandising roses, shrubs, trees, annuals, perennials, etc. . . . in full flower . . . and all season!

With the Regular Menne-Pot there is no transplanting; plant pot and all! Roots penetrate walls and bottom. Plants can be re-dug with ease months later because of the compact root system.

*MENNE-POTS shipped F.O.B., North Tonawanda, N. Y.

MENNE PEAT POTS

Low Cost - Light Weight - Pre-Sterilized
Compact - Plant Pot-and-All - Plants Grow Faster

Once you use a MENNE PEAT POT you'll never buy anything else. These top-quality domestic made peat pots save you labor of transplanting to field or bench. No labor and time wasted in storing pots. MENNE PEAT POTS also eliminate transplant shock and promote faster, stronger growth. You're sure to get top prices and more satisfied customers. For bigger profits next season, order your MENNE PEAT POTS today!

SEND
FOR YOUR
SAMPLE SET
OF
MENNE-POTS
TODAY!

Distributorships open in Southern States

MENNE-POTS INC. AN 12-15
NORTH TONAWANDA, N. Y.

Please send me complete sample set of Menne-Pots and Menne Peat Pots. I enclose \$1.50

Name _____
Address _____
City _____ Zone _____ State _____

(Prices vary slightly in areas serviced by distributors)

MENNE-POTS INC.

NORTH TONAWANDA, N. Y. LUDlow 4444

. . . . For the Finest in Landscape Material Give Us a Try!

A wide selection of hardy, northern-grown stock ranging from cash-and-carry to specimen sizes. We now operate 500 acres and can now offer great quantities of small landscape and cash-and-carry sizes as well as heavy specimen stock.

Narrow-leaved evergreens include numerous varieties of **Taxus**, uprights and spreaders; **Juniper**; **Hemlock**; **Arborvitae** etc. We've been specializing in broad-leaved evergreens and offer **Hybrid Rhododendron**, named varieties from own-root transplants to 4 ft., B&B. Fine blocks of **Ilex**: **American**, **English** and **Crenata**. **Azaleas**, **Pyracantha**, **Pieris japonica**, **Berberis julianae**, **Viburnum rhytidophyllum** and **burkwoodii**, etc. Truly fine stock at competitive prices. Your inspection of our nurseries is most cordially invited. Write for complete list.

Let us quote on your requirements.

ANGELICA NURSERIES

Mail address and office:
R. I, Mohnton, Pa.

Nurseries: Angelica, Pa.
Chesterville (Kent Co.), Md.

Nineteen of the trees died during the season.

A spokesman for the council said that the dead trees will be replaced when the trees are retubbed next spring and that more trees will be added in an extension of the program.

THE CHRISTMAS TREE

The month of December sees sale of about 40,000,000 Christmas trees, according to estimate. These are of many sizes, though the most popular are from three to seven feet. Leader among the species has long been the balsam fir, though black spruce and white spruce together run a close second east of the Rocky mountains, especially since the balsam fir cut in the lake states has diminished, most of the present trees of that species coming from Canada. In the Pacific northwest, the Douglas fir is the predominant Christmas tree, being shipped south along the Pacific coast and to neighboring states. Species that each contribute from one to four per cent of the total are Scotch pine, southern pine, red spruce, Virginia pine, white fir and Norway spruce. In the southern states the red cedar is popular.

In recent years, since trees have

been grown for the Christmas market, Scotch pine seems to be coming to the front, in several strains developed for this trade. Norway spruce, Douglas fir, balsam fir, white pine and other species are produced in lesser numbers. In fact, almost any common coniferous evergreen may be found used as a yuletide tree.

The Christmas tree is derived not from the Christian religion, but of pagan north European rites. Trees are little mentioned in the Bible, although there were more extensive forests in the Holy Land in Biblical days than at present, namely, the Forest of Lebanon, where the famous cedars grew.

Whatever the source, the Christmas tree has become the most popular holiday symbol. It is said that more of them are sold than Easter lily plants for the spring holiday or turkeys for Thanksgiving.

Christmas tree production on farms is increasing year by year, since woodlands have been cut over and forests are better conserved for lumber production. The current increase in this country's population should produce an expanding market for Christmas tree growers, although the annual thinning of woodlands and forests will still yield tremendous quantities of cut trees for the holiday.

Christmas tree growers have their own associations and a trade magazine. The results are improvements in species and their strains, in cultural methods and in marketing, so that their future seems as shining as the brightly lighted yuletide emblem they produce.

CHRISTMAS TREE MARKET SURVEY IN ILLINOIS

Opportunity for Illinois growers to profit from the state's lucrative Christmas tree market was shown in a study recently completed by the Illinois agricultural experiment station, Urbana. Surveys of Chicago and Champaign-Urbana consumers indicated that the supply of Scotch pine trees and premium-quality trees of almost any species was far short of the demand.

This demand, according to the station's report, could be supplied by local growers, who now provide only about 2 or 3 per cent of the Christmas trees sold in Illinois, most of the others coming from wild forest lands in Canada and the northern states which are located around the Great Lakes.

The Illinois research project was undertaken as part of a regional study of the Christmas tree industry

HOLLAND NURSERY PRODUCTS

P. O. Box 339, Madison Square Station

New York 10, N. Y.

AZALEA - mollis (Hardy Varieties Only)

Alphonse Lavallee, orange
Babeuf, orange-red
Chevalier de Reulle, good light yellow
Colonel F. R. Durham, vivid yellow
Comte de Quincy, sulphur-yellow

Comte Papadopoli, good light rose
Consul Fecher, pink
Dr. Reichenbach, salmon-orange
Emile Liebig, salmon-orange
Frans vander Bom, salmon-orange

Hortulanus Witte, good orange-yellow
Hugo Hardyzer, bright red
J. G. van Tol, bright red
Nicholas Beets, yellow, tinted bronze
T. J. Seidel, salmon-orange
W. E. Gumbleton, yellow

1-yr., T., grafts \$0.55
2-yr., T., grafts, 8 to 12 ins. 1.10

3-yr., T., grafts, 12 to 15 ins., budded; salable Each \$1.60

CHOICE - mollis

Directeur Moerlands, best golden-yellow
Dr. M. Oosthoek, deep orange-red
Koster's Brilliant, orange-red

Lemonora, apricot-yellow
Mrs. G. van Noordt, carmine-red, large
Queen Emma, orange, large

Spek's Brilliant, vermilion-red, first-class certificate.

1-yr., T., grafts Each \$0.65

3-yr., T., grafts, 12 to 15 ins., budded; salable Each \$1.70

AZALEA - pontica (Hardy Ghents)

Bouquet de Flore, deep pink
Cardinal, salmon-pink
Coccinea Speciosa, deep orange
Daviesi, white
Fanny, lilac-pink
Gloria Mundi, orange, late
Graudeur Triomphante, violet-rose
Ignea Nova, carmine-red

Nancy Waterer, golden-yellow, choice
Narcissiflora, sulphur-yellow, double
Pallas, geranium-red
Raphael de Smet, shaded rose, double
Unique, yellow-orange
William III, yellow-orange

1-yr., T., grafts Each \$0.60
3-yr., T., grafts, 12 to 15 ins., budded; salable 1.65

Acer palmatum atropurpureum, dark red, excellent color through season.

1-yr., grafts Each \$1.05
2-yr., grafts, 15 to 18 ins. 1.30
2-yr., grafts, 18 to 24 ins. 1.65
2-yr., grafts, 24 to 30 ins. 2.00

Acer palmatum dissectum atropurpureum

1-yr., grafts95
2-yr., grafts, 8 to 10 ins. 1.40
2-yr., grafts, 10 to 12 ins. 1.70

Acer palmatum dissectum nigrum

1-yr., grafts95
2-yr., grafts, 8 to 10 ins. 1.40
2-yr., grafts, 10 to 12 ins. 1.70

Acer palmatum dissectum viridis

1-yr., grafts95
2-yr., grafts, 8 to 10 ins. 1.40
2-yr., grafts, 10 to 12 ins. 1.70

Carpinus betulus fastigiata

1-yr., grafts, 2 to 3 ft. 1.15
3 to 4 ft. 1.35

Cercidiphyllum japonicum, good fall coloring

T., C., 3 to 4 ft. 1.15
T., C., 4 to 5 ft. 1.50

Corylus coccinea, rare, entirely twisted branches
1 to 2-yr., grafts, 12 to 15 ins. 1.15

Cotinus Royal Purple, 18 to 24 ins., layer-grown 1.25

Cratogeomys pauli, 1-yr., grafts, 4 to 5 ft.95

2-yr., grafts, 5 to 6 ft., branched 1.25

Cryptomeria cristata, 1-yr., grafts90

Cryptomeria villosiniana, 1-yr., grafts90

Hamamelis mollis, golden-yellow, 18 to 24 ins. 2.45

Fagus sylvatica atropurpurea Swat Margret, black-red, 18 to 24 ins. 1.80

Fagus sylvatica Rivers' Purple Beech, 18 to 24 ins. 1.50

Fagus sylvatica aurea, 18 to 24 ins. 1.80

Fagus sylvatica laciniata, 18 to 24 ins. 1.80

Fagus sylvatica pendula, 18 to 24 ins. 1.60

Fagus sylvatica purpureo-pendula, 18 to 24 ins. 1.80

Fagus sylvatica Tricolor, 18 to 24 ins. 1.80

Keria japonica flora-plena, bush, double yellow, 18 to 21 ins.50

Potentilla Klondike, F.C.C., 1956, dwarf, large golden flowers

1-yr., C.35

12 to 15 ins.70

Potentilla arbuscula, new, dwarf, 1-yr., C.35

Robinia hispida Monument, pink flowers in racemes, attractive, 3 to 4 ft. 1.55

Robinia tortuosa, very twisted branches, 2 to 4 ft. 1.65

Robinia frisia, new, yellow foliage, conspicuous red thorns, 4 to 5 ft. 1.65

Sorbus aria decussata majestica

Silvery-white undersurface. A superior tree of the Whitebeam family.

2 to 3 ft., whips 1.15

3 to 4 ft. 1.40

4 to 5 ft. 1.75

Sorbus aria lutescens (Yellow Beam Tree), attractive

2 to 4 ft., whips 1.30

4 to 5 ft. 1.55

Stranvaesia davidiana, showy evergreen, red berries

1-yr., grafts, 12 to 15 ins.55

Tilia euchlora, whips, 2 to 3 ft. 1.20

Tilia petiolaris, 3 to 4 ft. 1.60

Tilia tomentosa, 4 to 5 ft. 1.85

All above material Holland-grown. Minimum order \$100.00.

TERMS: 20% cash with order, balance C.O.D. Credit to established accounts. Packing at cost. Complete price list on request.

AZALEA - mollis (True to Color)

In following colors: Vermilion-red, orange, salmon-pink, yellow. Also: SPEK'S BRILLIANT, vermilion-red; SPEK'S ORANGE, orange; SPEK'S PINK, shaded pink.

	Each	Each	Each
	Per 10	Per 100	Per 1000
6 to 8 ins.	\$0.50	\$0.45	\$0.40
8 to 10 ins. ....	.70	.65	.60
10 to 12 ins., budded, salable ..	1.05	.95	.85
12 to 15 ins., budded, bush	1.35	1.30	1.25

RHODODENDRON

Transplanted cuttings. Soil ball. Good top. Shipment May 1. 90c each

America, bright red
Atrosanguineum, red
Black Beauty, dark maroon
Blue Peter, lavender-blue
Boule de Neige, white, compact
Catawbiense Album, white
Dr. Dresselhuys, red
Dr. V. H. Rutgers, red, fringed
E. S. Rand, red
Everestianum, rosy-lilac, fringed
H. W. Sargent, lilac-red
Kettledrum, red

Lee's Dark Purple, dark purple
Mme. Masson, white, yellow blotch
Mme. Carvalho, white, green blotch
Mrs. P. den Ouden, compact red
Nova Zembla, bright red. Excellent introduction. Better habit than America.
Prof. Bettex, brilliant red
Purple Splendour, purple, excellent
Van Weerden Poelman, aniline-red

SPECIAL OFFER

On orders placed before February 1, 1960, and as long as our supply lasts, 20% discount on the price of the varieties.

Boule de Neige, this compact white has never been surpassed with an unequalled hardness.
Nova Zembla, a new bright red introduction. Good plant habit.
Van Weerden Poelman, a good aniline-red.

75c each
Carnations, crimson-red
Chas. Bagley, rosy-red
Cunningham White, white, compact
F. D. Godman, dark magenta-red
Ignatius Sargent, rosy-crimson

50c each (45c each minimum 250)
Album Elegans, white, good foliage
Catawbiense Grandiflorum, rosy-purple

DWARF VARIETIES, small-leaved, 60c each

Purple Gem, intense purple

Roseum Elegans and Roseum Pink available B&B, 21 ins. high, 20 ins. wide. Prices on request. F.O.B. New York or laid down at your nursery.

Abies nordmanniana, an outstanding evergreen, underneath silvery-gray edged

Grafts from 2 1/4-in. pots \$1.25

Chamaecyparis Cyano Viridis, 2 1/4-in. pots, C.30

Cornus florida rubra, B. R., 15 to 18 ins. 1.20

18 to 21 ins., cutting-grown 1.45

Picea orientalis, a magnificent evergreen, glossy green needles, grafts, 2 1/4-in. pots 1.25

Picea omorika (Serbian Spruce)

A beautiful evergreen ornamental

18 to 24 ins., heavy, B. R. 2.50

Picea pungens glauca kosteriana, grafts 1.00

Picea pungens glauca hoopesi, sold out

Picea pungens glauca moerhousii, grafts 1.00

Tsuga canadensis (Canadian Hemlock)

6 to 9 ins.20

9 to 12 ins., S.B.25

12 to 15 ins., S.B.35

15 to 18 ins., S.B.45

Wholesalers

HOLLAND NURSERY PRODUCTS

Importers

*Greetings and Best Wishes
for
Christmas and the New Year*



**E. D. ROBINSON SALES AGENCY
WALLINGFORD, CONN.**

"A friendly, efficient service"

Represented by William C. Robinson

EVERGREENS

300 acres of choice Evergreens

ready for immediate resale

Write for list.

**GARDNER'S NURSERIES, Inc.
ROCKY HILL, CONN.**

BROWN BROTHERS CO.

East Rochester, N. Y.

Barberry, Red, 2-yr., S.
Euonymus alatus compactus
Laburnum lolaburnum
Spiraea Anthony Waterer
Viburnum tomentosum plicatum
Malus, in variety
Fruit trees, in variety.
Dwarf Apple and 5-N-1
Rosa multiflora japonica, 1-yr. and T.
Maples, in variety

Trade List Upon Request

VOSTERS

**NURSERIES AND
GREENHOUSES, INC.**

*Tropical Foliage
Plants for
Interior Decor*

**Main Office,
Secane, Pa.
(Suburban Philadelphia)
Cutter, Florida
Perrine, Florida
Wilmington, Delaware**



HAVE YOU TRIED PERENNIALS? by C. H. Potter. Important information for the grower. 160 p., illus. \$3.00.

American Nurseryman

Chicago 4

BLOODGOOD NURSERIES

Dept. American Nursery Co.

Established 1790

ANNOUNCES

the moving of their nursery operation from Commack, L. I., N. Y., to Doylestown, Pa.

Rt. 313, North of Crosskeys

Serving the Wholesale Trade

ANDROMEDAS

Field-Grown

	Each	Each
	Per 100	Per 500
4-yr., TT.	\$0.55	\$0.50
Liners in Bed		
2-yr., T. ....	.25	.20
3-yr., T. ....	.40	.35

CORNUS KOUSA

4-yr., TT.60	.55
-----------------	-----	-----

SOWAMS NURSERY

82 Sowams Rd. Barrington, R. I.



★ An excellent specimen shrub where dwarf evergreens are desired. Grows up to 4 ft. tall with a spread of about 3 1/4 ft. Compact growth of branches and branchlets results in a uniform shape. Requires no support and little shearing. Glossy leaves of near-dark forest-green.

FREE COLOR FOLDER

CORLISS BROS.

**IPSWICH
58, MASS.**

EVERGREEN SEEDLINGS

By the 100 or 1,000,000

Write for free price list.

CANALE'S FOREST NURSERY

Shelocta, Pa.

Phone: Elderton, FLEetwood 4-2461

in eight midwestern states and was reported by J. N. Spaeth in a recent issue of the experiment station's publication Illinois Research. Illinois is among the states having a Christmas tree growers' association.

Dr. Spaeth reports that fir trees, which have dominated the Chicago market for some time, have always been the most abundant specimens suitable for Christmas trees, growing wild in the northern coniferous forests. Highly organized harvesting and marketing channels make fir readily available to the large wholesalers from whom most Chicago retailers buy their trees. Many retail outlets in the city were found to offer only fir.

Fir, however, is rapidly losing popularity as a Christmas tree. When given a free choice of five species, as many homeowners in Champaign-Urbana chose Scotch pine as chose fir. A study of trees used by Chicago business establishments, industries and institutions indicated a preference for Scotch pine. And Scotch pine is well adapted for growing on much of the poorer land in Illinois. Douglas fir, red pine, white pine, spruce and red cedar are other species which may be grown in Illinois and which were the first choice of some families.

Quality Greatest Factor

It was revealed in all the midwest studies, however, that quality is a more important factor in the consumer's choice than either species or price and that quality is scarce in the midwest market. Wholesalers and retailers, as well as consumers, complained about the poor quality of most of the trees available. Only 5.4 per cent of all the trees surveyed on selected Illinois sales lots in 1956 were of premium quality—more than half were very poor quality. Kansas and Nebraska were the states having the highest percentage of premium grades. Standards for grading Christmas trees have been set by the United States Department of Agriculture.

This lack of quality, according to Dr. Spaeth, provides local growers with their greatest opportunity. He states that the supply of good trees from the wild forest lands in the north is practically exhausted, whereas local growers can produce a high percentage of premium trees in managed plantations through cultivation and shearing.

Estimated figures compiled in the study indicated that the number of Christmas trees planted in Illinois increased from 66,000 in 1948 to over 3,000,000 in 1957, with Scotch

"SLIP-ON" PLASTIC LABELS

Potent No. 2,642,684

NEWEST AND MOST PRACTICAL OF ALL PLANT LABELS!

SO NEW! SO PRACTICAL!

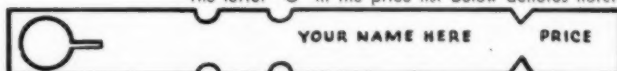
16 times stronger in sub-zero temperatures

Patented locking device assures you a permanent, easily attached, adjustable label. Minimizes girdling the canes of either soft or hard wood plants. Guards against loss of labels. Absolutely waterproof. Will not wilt in hot weather.

Plain or varieties imprinted permanently

Add \$2.00 to imprinted prices if imprinting is desired on both sides. Trade-marks billed at cost. Photos or black-and-white drawings must accompany trade-mark orders. Parcel-post shipment up to 20 lbs. Over 20 lbs., least expensive way possible—unless otherwise specified. All shipments F.O.B. DAYTONA BEACH, FLA.

The letter "C" in the price list below denotes notch.



Available in 6 fadeproof colors . . . RED, GREEN, ORANGE, YELLOW, BLUE, WHITE.

No.	Size	Per 1000	Imprinted Per 1000	Weight
No. 25	(1/2x5 ins.)			
1000 to 4000		\$5.50	\$7.00	
5000 to 9000		4.75	6.00	1 1/4 LBS.
10,000 to 49,000		4.00	4.75	
50,000 to 99,000		3.25	4.00	PER 1000
100,000 or more		2.50	3.25	
No. 87 or 87C	(3/4x7 ins.)			
1000 to 4000		7.50	9.00	
5000 to 9000		6.50	7.75	2 1/4 LBS.
10,000 to 49,000		5.50	6.25	
50,000 to 99,000		4.75	5.50	PER 1000
100,000 or more		4.00	4.75	
No. 47 or 47C	(3/4x7 ins.)			
1000 to 4000		8.50	10.00	
5000 to 9000		7.50	8.75	3 LBS.
10,000 to 49,000		7.00	7.75	
50,000 to 99,000		6.25	7.00	PER 1000
100,000 or more		5.50	6.25	

Mail Coupon Today!
P. O. Box 350
Daytona Beach, Fla.

ECONOMY LABEL SALES CO. INC.

ENCLOSED FIND \$.....
FOR WHICH YOU MAY SHIP THE FOLLOW-
ING ITEMS CHECKED BELOW BYEXPRESS;
.....PARCEL POST;MOTOR FREIGHT;BEST WAY.

YOUR NAME (print)

CITY..... ZONE..... STATE.....

STREET NO..... R.F.D..... BOX.....

SHIPPING POINT..... COUNTY.....

(if different from post office)

PLASTIC "SLIP-ON" LABELS

SIZE	QUANTITY	IMPRINT NAME & ADDRESS	IMPRINT VARIETIES	IMPRINT TRADE-MARK	PRICE
NO. 25					
NO. 87					
NO. 87C					
NO. 47					
NO. 47C					

IMPRINT MY "SLIP-ON" LABELS AS FOLLOWS:

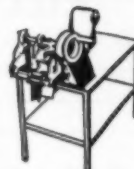
* A VARIETY LIST IS ENCLOSED.....(yes or no) Made in U. S. A.



ROLL VINYL PLASTIC

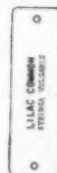
4, 5 and 7-in. widths*
0.010 thickness 250 to 300
yds. per roll.
Roll 4-in. approx. 20 lbs.
Roll 5-in. approx. 25 lbs.
Roll 7-in. approx. 35 lbs.
\$3.60 per lb.

F.O.B. Daytona Beach.



IMPRINTING MACHINES

Imprints permanent-
ly 9000 plastic labels
per hour. Automatic,
compact. Rugged de-
sign. Terms avail-
able.



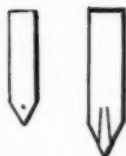
ENGRAVED PERMANENT ALUMINUM LABELS

Heavy gauge. For
marking stock plants.
Red, green, yellow
enamel finish. Two
sizes of type.



TALKING PLOT MARKER PLASTIC CARDS

\$15.00 per 100 which
includes one can of
self-spraying plastic.
Can be used in our
aluminum plot mark-
er stakes.



TY-ON AND STICK-IN PLASTIC LABELS

Durable, waterproof.
6 fadeproof colors.
Imprinting addition-
al.



REMOVABLE PLASTIC CARD

PERMANENT PLOT MARKERS

Weather resistant 3x
5-in. plastic card.
Inserts in 24-in. alu-
minum stake. Inter-
changeable. 50c ea.

PINE — SPRUCE — FIR

Seedlings and Transplants

		Per 100	Per 1000
NORWAY SPRUCE (<i>Picea excelsa</i>)			
2-yr., S., 3 to 4 ins.		\$ 6.00	\$ 22.00
2-yr., S., 4 to 8 ins.		7.00	30.00
3-yr., S., 4 to 8 ins.		8.00	40.00
4-yr., S., 8 to 10 ins.		10.00	55.00
4-yr., S., 10 to 15 ins.		15.00	75.00
3-yr., T., 4 to 8 ins.		12.00	100.00
4-yr., T., 5 to 10 ins.		15.00	120.00
4-yr., T., 10 to 12 ins.		20.00	180.00
6-yr., T., 12 to 15 ins.		25.00	200.00
SCOTCH PINE (<i>Pinus sylvestris</i>)			
2-yr., S., 3 to 6 ins.		7.00	15.00
2-yr., S., 4 to 8 ins.		8.00	25.00
3-yr., S., 5 to 10 ins.		10.00	28.00
3-yr., S., 8 to 15 ins.		12.00	35.00
4-yr., T., 10 to 15 ins.		15.00	60.00
AUSTRIAN PINE (<i>Pinus nigra</i>)			
2-yr., S., 3 to 6 ins.		10.00	35.00
3-yr., S., 6 to 8 ins.		12.00	45.00
3-yr., S., 8 to 12 ins.		15.00	55.00
WHITE SPRUCE (<i>Picea alba</i>), excellent blue-gray color			
2-yr., S., 3 to 6 ins.		8.00	20.00
2-yr., S., 4 to 8 ins.		10.00	28.00
3-yr., S., 8 to 10 ins.		12.00	35.00
3-yr., S., 10 to 15 ins.		15.00	45.00
4-yr., T., 4 to 6 ins.		20.00	180.00
5-yr., T., 6 to 10 ins.		25.00	200.00
5-yr., T., 10 to 15 ins.		30.00	250.00
CONCOLOR FIR (<i>Abies concolor</i>)			
2-yr., S., 2 to 3 ins.		12.00	35.00
2-yr., S., 3 to 4 ins.		15.00	45.00
3-yr., S., 4 to 6 ins.		18.00	55.00
DOUGLAS FIR			
2-yr., S., 2 to 3 ins.		10.00	25.00
3-yr., S., 3 to 5 ins.		12.00	30.00
4-yr., S., 4 to 8 ins.		15.00	40.00
BLUE SPRUCE			
2-yr., S., 2 to 3 ins.		7.00	30.00
2-yr., S., 3 to 4 ins.		8.00	35.00
3-yr., S., 4 to 8 ins.		10.00	40.00
3-yr., S., 8 to 10 ins.		15.00	50.00

Discount: Less 5% on quantities of 5000 or more of a kind.

Order 100 at 100 rate; 1000 at 1000 rate.

Special prices on large quantities. Write us.

PALLACK BROS. NURSERIES, INC.

R. D. 1

Harmony, Pa.

Phone: Zelienople 789—We are not open Sundays.
30 miles north of Pittsburgh on Highway 19.

SURPLUS ITEMS

	Each
100 Sugar Maple, 1 1/2 to 2-in. cal.	\$7.50
400 Crataegus cordata, 6 to 8 ft.	3.50
1000 Euonymus compactus, 3 ft., heavy	1.50

ORIGINALLY IMPORTED FROM HOLLAND

200 Tilia vulgaris (Dutch Linden), 6 to 8 ft.	4.00
200 Tilia vulgaris, 2 to 2 1/2-in. cal.	8.50
200 Tilia cordata (Small-Leaved Linden), 6 to 8 ft.	4.00
100 Tilia tomentosa (Silver Linden), 1 3/4 to 2-in. cal.	9.50
300 Goldsworth Maple, red-leaved, 1 1/2 to 2-in. cal.	7.50

TRUCKLOADS ONLY

THE WM. A. NATORP CO.

4400 Reading Rd.

Cincinnati 29, Ohio

pine plantations making up more than half of the latter figure.

Dr. Spaeth points out that many planted trees are lost in unfavorable seasons or through neglect or other causes, however; so it appears that there is no overproduction in Illinois as yet, provided local growers can capture a major portion of the state's market.

KEEP YULE TREES FRESH

Eleven quarts of water will keep a Christmas tree fresh, green and fire resistant during the holidays, according to an article appearing recently in Illinois Research, a publication of the Illinois agricultural experiment station, Urbana.

That was the quantity of water consumed by a 6-foot Norway spruce kept for two weeks in a warm, dry room. A check tree of the same species, which received no water, lost all its needles during the same period.

Every Christmas, many suggestions are given for treating the tree with chemicals and waxes to help to keep its needles and to reduce the fire hazard. According to the Illinois Research article, many of these treatments are unsatisfactory for home use, and the water treatment will be found superior by most persons.

The tree will absorb water more freely if a fresh cut, cross or diagonal, is made at the base of the stem before the tree is set in water. Although fir and pine trees retain their needles much better than spruce, they, too, will benefit from the water treatment.

ORNAMENTAL SMALL TREES

[Continued from page 8]

A native large shrub or small tree of the south is *Cyrilla racemiflora*, southern leatherwood. The semi-evergreen to fully evergreen leaves are linear in outline, being three to four inches in length and often only one-half inch to three-fourths inch wide. I describe the plant as being semievergreen to evergreen, for this plant often takes on a brilliant orange to scarlet fall foliage color in some locations, while on other trees in the same area and usually under more moist conditions, the leaves will retain their evergreen condition until the spring, at which time new growth appears and the old foliage is lost. The outstanding feature of this plant is the early summer, all-white flowers, borne in pendulous racemes that often are three to five inches in length.

In flower, it is unlike many woody

FIELD-GROWN LINING-OUT STOCK

Transplanted stock grown in open field beds.

	Each 100 rate	Each 1000 rate		Each 100 rate	Each 1000 rate		Each 100 rate	Each 1000 rate
Abies Concolor (Concolor Fir)			Juniperus pfitzeriana, regular			Pinus Mugho (Dwarf Mugho Pine)		
4 to 6 ins., 4-yr., T.	\$0.30	...	8 to 10 ins., 2-yr., T.	\$0.45	\$0.40	2 to 3 ins., 3-yr., S.	\$0.10	\$0.09
8 to 10 ins., 5-yr., T. ....	.45	...	10 to 12 ins., 3-yr., T. ....	.55	.50	3 to 5 ins., 3-yr., T. ....	.20	.18
Buxus sempervirens welleri			12 to 15 ins., 4-yr., T. ....	.65	.60	5 to 8 ins., 4-yr., T. ....	.25	.20
(Weller's Hardy Boxwood)			Juniperus pfitzeriana compacta			8 to 10 ins., 5-yr., T. ....	.35	.30
6 to 8 ins., 2-yr., T. ....	.35	\$0.32	8 to 10 ins., 2-yr., T. ....	.45	...	Pinus nigra (Austrian Pine)		
8 to 10 ins., 3-yr., T. ....	.45	...	10 to 12 ins., 3-yr., T. ....	.55	...	6 to 8 ins., 3-yr., S. ....	.12	...
Chamaecyparis lawsoniana allumi			12 to 15 ins., 4-yr., T. ....	.60	.55	8 to 12 ins., 3-yr., S. ....	.15	...
8 to 10 ins., 2-yr., T. ....	.30	.28	Juniperus pfitzeriana aurea			Pyracantha coccinea laundl		
10 to 12 ins., 3-yr., T. ....	.45	...	8 to 10 ins., 2-yr., T. ....	.40	...	(Firethorn)		
12 to 15 ins., 3-yr., T. ....	.50	...	10 to 12 ins., 2-yr., T. ....	.50	.45	6 to 8 ins., 2-yr., T. ....	.32	.30
15 to 18 ins., 3-yr., T. ....	.55	...	12 to 15 ins., 3-yr., T. ....	.60	.55	10 to 12 ins., 3-yr., T. ....	.40	.38
Euonymus fortunei coloratus			Koeleria paniculata			12 to 15 ins., 3-yr., T. ....	.50	.45
8 to 12 ins., 2-yr., T. ....	.25	.22	(Golden-Rain Tree)			Rhododendron Hybrid, various colors		
12 to 15 ins., 3-yr., T. ....	.35	.32	12 to 15 ins., 4-yr., T. ....	.25	...	8 to 10 ins., 4-yr., T. ....	.85	...
Euonymus fortunei erectus			18 to 24 ins., 5-yr., T. ....	.30	...	10 to 15 ins., 4-yr., T.	1.00	...
12 to 15 ins., 3-yr., T. ....	.50	...	2 to 3 1/2 ft., 5-yr., T. ....	.35	...	Rhododendron catawbiense,		
Euonymus radicans vegetus			Leucothoe catesbaei			rosy-purple		
8 to 10 ins., 2-yr., T. ....	.35	...	(Drooping Leucothoe)			6 to 8 ins., 3-yr., T. ....	.50	.45
10 to 15 ins., 3-yr., T. ....	.45	...	8 to 10 ins., 3-yr., T. ....	.35	.30	8 to 12 ins., 3-yr., T. ....	.65	.60
12 to 18 ins., 4-yr., T. ....	.50	...	10 to 12 ins., 3-yr., T. ....	.45	.42	Taxus capitata (Upright		
Ilex crenata (Japanese Holly)			12 to 15 ins., 3-yr., T. ....	.55	...	Japanese Yew), seed-grown		
8 to 10 ins., 2-yr., T. ....	.35	...	Liquidambar styraciflua (Sweet Gum)			6 to 8 ins., 3-yr., T. ....	.38	.32
10 to 15 ins., 3-yr., T. ....	.45	...	12 to 15 ins., 3-yr., field ...	.08	...	8 to 10 ins., 4-yr., T. ....	.55	.45
12 to 18 ins., 3-yr., T. ....	.65	.60	18 to 24 ins., 3-yr., field ...	.10	.08	10 to 12 ins., 6-yr., T. ....	.75	.65
Ilex crenata convexa (bullata)			2 to 3 ft., 3-yr., field ...	.12	.10	12 to 15 ins., 6-yr., T. ....	.90	.80
8 to 10 ins., 2-yr., T. ....	.38	.35	Picea excelsa (Norway Spruce)			Taxus cuspidata (Spreading Yew)		
10 to 12 ins., 2-yr., T. ....	.48	.45	8 to 10 ins., 4-yr., T. ....	.15	.12	8 to 10 ins., 3-yr., T. ....	.45	.40
12 to 15 ins., 3-yr., T. ....	.65	.55	10 to 12 ins., 4-yr., T. ....	.20	.18	10 to 12 ins., 3-yr., T. ....	.50	.45
12 to 18 ins., 5-yr., field row	1.00	.90	12 to 15 ins., 5-yr., T. ....	.25	.20	12 to 15 ins., 4-yr., T. ....	.65	.55
spaced			Picea pungens			Taxus media hickii (Hicks' Yew)		
Ilex crenata hirsuta			(Colorado Blue Spruce)			8 to 10 ins., 3-yr., T. ....	.45	...
8 to 10 ins., 2-yr., T. ....	.40	.38	6 to 8 ins., 4-yr., T. ....	.30	.25	10 to 15 ins., 3-yr., T. ....	.55	...
10 to 12 ins., 3-yr., T. ....	.45	.42	8 to 10 ins., 5-yr., T. ....	.45	.40	Thuja occidentalis globosa		
12 to 15 ins., 4-yr., T. ....	.60	.55	10 to 15 ins., 5-yr., T. ....	.55	.50	(Woodward Globe Arborvitae)		
15 to 18 ins., 6-yr., T.	1.00	.90	Picea alba (White Spruce)			8 to 10 ins., 2-yr., T. ....	.35	.32
Ilex rotundifolia			6 to 10 ins., 5-yr., T. ....	.25	.20	10 to 12 ins., 3-yr., T. ....	.40	.38
(Round-leaved Japanese Holly)			12 to 15 ins., 6-yr., T. ....	.30	.25	12 to 15 ins., 3-yr., T. ....	.50	.45
10 to 12 ins., 4-yr., T. ....	.40	.35	Pseudotsuga douglasii			Thuja occidentalis pyramidalis		
12 to 15 ins., 4-yr., T. ....	.50	.45	(Douglas Fir)			(Pyramidal Arborvitae)		
12 to 15 ins., 5-yr., T. ....	.60	.50	8 to 10 ins., 5-yr., T. ....	.35	.30	12 to 15 ins., 3-yr., T. ....	.55	.50
12 to 15 ins., 6-yr., T. ....	.65	.60	10 to 15 ins., 5-yr., T. ....	.40	.35	15 to 18 ins., 4-yr., T. ....	.65	.55
15 to 18 ins., 6-yr., T.	1.00	.90	Juniperus glauca hetzi (Hetz Juniper)			18 to 24 ins., 4-yr., T. ....	.70	.65
10 to 12 ins., 2-yr., T. ....	.35	.32	10 to 12 ins., 2-yr., T. ....	.35	.32			
12 to 15 ins., 3-yr., T. ....	.45	.42	12 to 15 ins., 3-yr., T. ....	.45	.42			
12 to 18 ins., 4-yr., cutback.	.55	.50						

Lining-out Stock. 25 at the 100 Rate. 300 at the 1000 Rate.

TERMS: Free packing for cash with order, otherwise 1/2 deposit with order and balance C.O.D. Packing at cost. All shipments by railway express.

Write for our complete price list.

PALLACK BROS. NURSERIES, INC.

Phone: Zellenople 789 (or 644 evenings)

(We are not open Sundays)

(31 mi. north of Pittsburgh, Pa., on Rt. 19)

R. D. 1, HARMONY, PA.

plants of the south. Throughout the south, the plant generally flowers in late June, and possibly in northern areas the tree would even be flowering in July. While they are not so showy as the flowers, the seed pods, with their yellowish color, are notable against the lustrous dark green foliage in the late summer and fall. American cyrilla, or leatherwood, is found commonly under moist conditions along streams and is best cultivated in a good soil with a high level of organic matter. But I have noted that the plant will do well under fairly dry conditions and continue to be effective in its flowering in summer. While it is often considered a large shrub, I see no reason why this plant cannot be grown as a small summer-flowering tree.

Crape Myrtle

Crape myrtles, common throughout the south, generally are considered large shrubs and often are used in city plantings along the areas be-

tween the street and sidewalk. Occasionally one has the opportunity to find a crape myrtle in tree form and see the beautifully mottled gray to brown bark and smooth trunk, often twisted and contorted, somewhat like the ironwood or blue beech. I have seen large specimens of the white crape myrtle, but the plant tends to have a rather wide-spreading growth habit as compared to those of the other color forms, such as the pink or watermelon red. I see no reason why crape myrtle could not be grown by nurserymen in the south as a standard or as a multiple-trunked, small tree, for it is certainly characteristic of the south and handsome in the midsummer, with its large clusters of flowers.

Another group of plants generally considered as hedge plants or large shrubs are the privets, the two common ones being the glossy privet (*Ligustrum lucidum*) and the Japanese privet, *L. japonicum*. Occasionally, one sees large plants of both species that have been al-

lowed to become trees. These striking plants, both evergreen, have handsome foliage, creamy-white flowers and bluish-black fruit in contrast to the green foliage. I can think of no other plant that is as foolproof as a privet and see no reason why it cannot be used satisfactorily as a small, round-leaved ornamental tree.

There are numerous oaks native to the south, but one small or medium-size evergreen oak that should be used more often is *Quercus acuta*, the Japanese evergreen oak, a medium-size tree, usually 40 feet in height or slightly larger. The tree is generally oval headed, but sometimes one sees rather round or flat-topped trees in this species. The foliage is medium to grassy green in color, rather coarse textured, usually three inches in length and has coarse serrations on the margin. The plant commonly is used as a hedge or screening plant, for it allows itself to be pruned or sheared severely and responds to this treatment. It can

DWARFING MATERIAL**MALUS**

	Per 100	Per 1000
East Malling IX		
Scions, 6 ins.	\$6.00	\$50.00
East Malling VIII (Clark's)		
Scions, 6 ins.	7.00	60.00

DWARFING UNDERSTOCKS**PRUNUS**

	Per 100	Per 1000
Besseyi (Hansen's Bush Cherry)		
18 to 24 ins., S.	\$ 7.00	\$ 60.00
12 to 18 ins., S.	5.00	45.00
8 to 12 ins., S.	3.50	30.00
Japonica (Korean Cherry)		
12 to 18 ins., S.	5.50	50.00
Tomentosa (Nanking Cherry)		
2 to 3 ft., S.	15.00	120.00
18 to 24 ins., S.	8.50	80.00
12 to 18 ins., S.	6.00	55.00
8 to 12 ins., S.	4.00	35.00
Triloba x pedunculata (Prairie Almond)		
12 to 18 ins., S.	6.50	60.00
6 to 12 ins., S.	5.00	45.00

STANDARD UNDERSTOCKS**MALUS**

	Per 100	Per 1000
Dolgo, seedlings		
Hopa, seedlings		
No. 1, 3/16-in. cal. ..	\$5.50	\$50.00
No. 2, 2/16-in. cal. ..	4.50	40.00

PRUNUS

Americana (Native Plum)		
No. 1, 3/16-in. cal. ..	4.00	35.00
Armeniaca (Chinese Apricot)		
2 to 3 ft., S.	9.00	80.00
No. 1, 3/16-in. cal. ..	8.00	70.00
No. 2, 2/16-in. cal. ..	6.00	55.00
Hortulana, Nemaha, a non-suckering plum		
No. 1, 3/16-in. cal. ..	4.50	40.00
No. 2, 2/16-in. cal. ..	3.50	30.00

PYRUS

Ussuriensis (Korean Pear)		
No. 1, 3/16-in. cal. ..	4.10	36.00
No. 2, 2/16-in. cal. ..	3.20	28.00

Write today for our complete list.

PLUMFIELD NURSERIES

Box 471 Fremont, Neb.

LANDSCAPE MATERIAL
Spring, 1960

White-Flowering Dogwood, single or clump form, 6 to 12 ft., well-budded, all sizes.

Flowering Crab Apples, 6 to 7 ft., 7 to 8 ft., transplanted, B&B.

Austrian Pine, specimen, 4 to 5 ft. Medium grade, 3 to 8 ft., for highway bidding sales, etc.

Euonymus alatus, 4 to 5 ft. and 6 to 6 ft.

WADE & GATTON NURSERIES

Bellville, Ohio
Phone: Butler, TU 3-3191

make a desirable ornamental tree, however, with its lustrous evergreen foliage. While it is not generally available in the south, the Japanese evergreen oak is gradually becoming popular.

Other Interesting Oaks

There are several other interesting evergreen oaks that could possibly be used in the south. I recall seeing some years ago plants of the holly oak (*Q. ilex*) growing at Knoxville, Tenn. The leaf is similar to the familiar holly leaf, as it is spiny and small in size. The trees are not rapid in their rate of growth but are quite interesting in their gnarled branching habit and apparently would make a small tree 30 feet or so in height.

Q. glauca, the little Japanese oak, is similar to the Japanese evergreen oak, but the leaves have more of the grayish color on the underside. There are other small oaks that could possibly be used better than this one throughout the south.

Pear trees are common in the south, and one with possibilities as an ornamental is *Pyrus calleryana*, the Callery pear. The flowers of this small, 30-foot tree are white, as on most other pear trees, and the fruit is small, usually one-half inch to one inch in length. This plant has been used primarily as understock and for breeding work, but it could be used as an early spring-flowering ornamental tree. It is less susceptible to fire blight than some other species of pears.

Crab apples have great possibilities as ornamentals in the south, because many of the common varieties are as satisfactory under Southern conditions as they are in the north.

PEACE RETAIL UNIT

Peace & Son Nursery, Siloam Springs, Ark., recently opened a garden center for the conduct of the firm's added retail business. J. S. Peace had operated the enterprise as a wholesale nursery for many years and was joined by his son, Sam, a few years ago. The new garden shop is located near the center of the nursery grounds. Opening of the added facilities was marked by an open house program lasting several days.

IMPORTED and DOMESTIC TREE and SHRUB SEEDS

For Nurserymen and Christmas Tree Growers

FORESTRY ASSOCIATES

Office: 160 E. Hamilton St.
P. O. Box 1069 Allentown, Pa.

CORKSCREW TREE

(*Salix matsudana tortuosa*)

Oriental Horticultural Curiosity

From the Hupeh Province of east central China. Branches both large and small grow upward with an exotic corkscrew twist. This tree is also known in common parlance as Corkscrew Tree, Corkscrew Willow or Contorted Hankow Willow.

	Per Each	Per Dozen
4 to 5 ft.	\$2.50	\$25.00
6 to 8 ft.	3.50	35.00
Heavy field liners, \$30.00 per 100;		
\$250.00 per 1000.		
Pot plant liners (spring only), \$30.00		
per 100; \$250.00 per 1000.		

BEARDSLEE NURSERY
Perry, Ohio

PIN OAK SEEDLINGS

	Per 100	Per 1000
6 to 12 ins.	\$ 4.00	\$ 55.00
12 to 18 ins.	8.00	75.00
18 to 24 ins.	12.00	100.00
2 to 3 ft.	17.00	140.00
3 to 4 ft.	22.00	190.00
4 to 5 ft.	30.00	250.00
*4 to 5 ft.	75.00	.....
*5 to 6 ft.	100.00	.....
*6 to 8 ft.	150.00	.....

*Well-branched, straight, good for cash sales.

LEAVENWORTH NURSERIES
12th and Vilas Leavenworth, Kan.

GENERAL LINE OF HARDY PLANTS

See our ad in March 18 issue, page 77, or write:

VAN ENGEL'S KALAMAZOO GARDENS NURSERY
200 Richard Ave.
Kalamazoo 33, Mich.

QUALITY LINERS**WILSEY EVERGREEN NURSERY**

Corfu, N. Y.

Phone: East Pembroke 6411
Located Near Indian Falls

For Quality Stock**RICKERT NURSERIES**

Successor to Moon's
Established 1767
MORRISVILLE, PA.

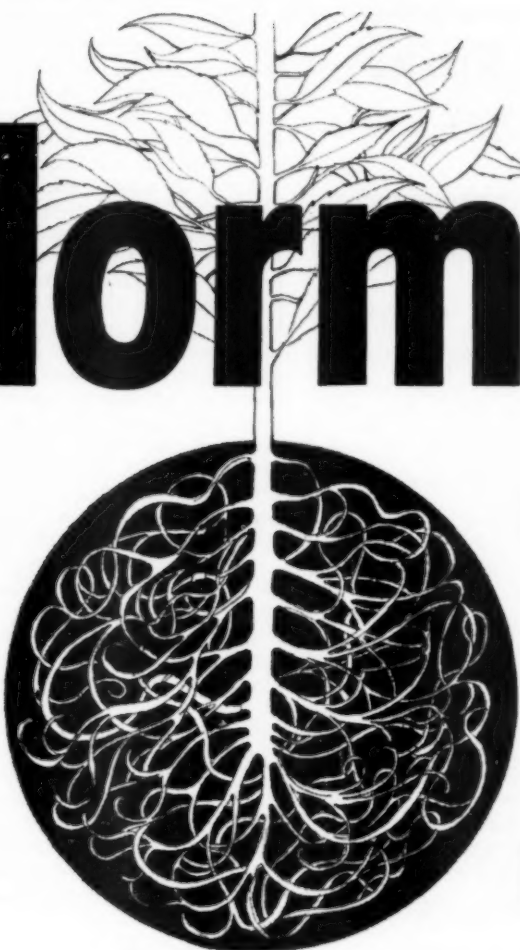
CHRISTMAS TREES

Turn wasteland into profit. Our famous Christmas Tree Growers' Guide tells you how. Write for free copy.

OR FOREST TREES



MUSSER-FORESTS, Box 16-L, Indiana, Pa.



Hormodin[®]

**SPEEDS
ROOTING...
SAVES
BENCH TIME**

Simplify your rooting problems by treating cuttings with HORMODIN. Experienced greenhouse growers, and nurserymen report that HORMODIN makes cuttings grow more roots—faster. This means earlier transplanting to save you bench space, time, labor and money. HORMODIN gives results because it is the *only* rooting compound that provides Indolebutyric Acid at levels paralleling the range of hormones naturally occurring in plants. This means that propagators can use HORMODIN over the full range from soft plants to hardwoods. Ask your regular supplier for HORMODIN now. Packed in 1-lb. and ½-lb. tins for nursery use.

HORMODIN comes in 3 strengths for better results with a greater variety of plants.

HORMODIN #1 — contains 0.1% active ingredient for roses, poinsettias, carnations, some shrubs, and most home, garden and greenhouse plants.

HORMODIN #2 — contains 0.3% active ingredient for many woody and semiwoody plants including some evergreens.

HORMODIN #3 — contains 0.8% active ingredient for more difficult to root varieties including many evergreens and dormant, leafless cuttings.

HORMODIN is also offered in an attractive combination package which contains all three strengths so that the amateur gardener can cover the full propagating range with this *one package, one dip treatment*.

Distributor Inquiries Invited

© Merck & Co., Inc.

Hormodin—a product of MERCK



MERCK & CO., INC., Chemical Division, Rahway, New Jersey

©Trademark of Merck & Co., Inc., for Indolebutyric Acid.

THIS BUSINESS OF OURS

Reflections on the Problems of Nurserymen

By E. Sam Hemming

OFFBEAT LANDSCAPING

Not all good landscaping can be done in the usual way. There are types and features of landscaping foreign both to the nurseryman who grows the plants and to the landscape architect who specifies them. While there may not be many such situations, the few that arise can, as a rule, be handled best by the botanist, the plant ecologist or the green-thumb gardener. If intelligently developed, some of these situations may create some beautiful landscape features.

One aspect of this offbeat landscaping is the raising of trees and shrubs from seed in situ. Some trees, such as the white oak, for example, transplant so poorly that it is rarely worth the effort. One cannot scatter acorns on the ground and not expect the rodents to get them all. To grow a white oak in a certain spot, several acorns have to be planted in well prepared ground completely protected by wire mesh. The first year after germination all but the best tree ought to be destroyed; this one should have full care and cultivation until it is well established and large enough to care for itself. Other hard-to-transplant oaks, hickories, pecans, etc., can be treated in the same way.

Self-Sown Plants

Sometimes nature will supply and sow the seed when conditions are favorable. On one occasion a customer asked my father to develop a windbreak along the edge of a field. Noticing that a few mature loblolly pines grew along the woods edging the field, my father told the man that he needed only to plow, disk and prepare the strip of ground and that the seed falling from these trees onto the prepared area would germinate. Other than discouraging some of the weeds from growing, no other effort was required of one to produce the pines, which, once established in this manner, seemed to grow faster than those planted as seedlings.

Another plant best handled by sowing the seeds is Scotch broom. This is an ideal plant for sandy and gravelly banks in the Maryland-Virginia area, but any attempt to transplant small nursery plants will not be successful. The plant itself lasts only two to five years, but when growing

in an area that suits its demands it will reseed itself and thrive for many years.

Birds can assist in landscaping an area if the seeds are readily available, and it is possible for them to create a fence-line planting of red cedar, American holly and white dogwood. Here again it may be necessary to destroy some plants that are too close together, as well as plants of species not desired. Incidentally, the random planting of nature can never quite be duplicated by even the expert naturalistic planter.

Use of Cuttings

Sometimes a naturalistic landscape can be created by using cuttings, particularly of such material as willows. It is possible for a seed to sprout and establish itself in a situation where a transplanted plant would not thrive. Similarly, a willow cutting might root and thrive in a spot along a stream or the edge of

a marsh, for instance, where it is usually too wet for a tree to be transplanted. This idea does not only apply to cuttings; the same could hold true for runners and self-layering plants. I do not suppose a nurseryman would tell a customer that just one 25-cent English ivy could cover a bank 10 feet wide and 100 feet long, but with considerable follow-up effort this is possible. Such plants as the dainty partridgeberry, if planted in a place it liked, would be best treated this way, because, if it did not like the spot it would not grow at all; otherwise, one plant would be enough to cover a large area. The same kind of result can be had with the hardy bamboos (one reason for which I do not like them); one plant in a place it likes will spread so much it may in time take complete possession of an acre.

Horticulturists sometimes topwork an old fruit and nut orchard to improve its health or change the variety, but the idea is apparently never applied to landscaping, although it could be used effectively. It would offer some intriguing possibilities in changing or combining interesting varieties of flowering trees and shrubs. Of course, these ideas are of little commercial interest, but they do offer changes that the true plantsman cannot ignore completely.

FALL, 1959

EVERGREENS

SHRUBS

FRUIT TREES

SMALL FRUITS

SHADE AND ORNAMENTAL TREES

Transplanted and Root-Pruned

C. M. HOBBS & SONS, INC.

Bridgeport 31, Ind.

Phones: Indianapolis, CHapel 4-1812 — TERRace 9-4952

350 Acres Established 1875



**HUSKY
LINERS**

Phone: TA 3-9508

CRUMRINE NURSERY

R. D. No. 2 Alliance, Ohio

Finest Quality
PERENNIALS and SHRUBS
Write for complete trade list.
KINGWOOD NURSERIES
MENTOR, O.

OHIO'S LAKE COUNTY

One of the world's greatest nursery centers. Best soil for extensive roots. Lake Erie tempered for vigor.

Send for free membership list and map.

Names, locations and types of plants grown by over 100 members representing 4,000 acres of the very finest nursery stock. Write to:

**THE LAKE COUNTY
NURSERYMEN'S ASSN.
Box 49, MENTOR, OHIO**

Roses, Shrubs, Trees, Vines, Azaleas, Hollies, Rhododendrons, Evergreens, Fruit Trees, Perennials, Liners — Finished Stock — All Sizes.

ROCHESTER IVY

Truly beautiful, compact and hardy.

Rooted cuttings Per 100
2 1/4-in. pot plants \$12.00
20.00

GILSON GARDENS
Perry, O.

RETAILERS' REPORTS

[Continued from page 10]

summer trend; it has been good in every category. Customers that we come in contact with are not interested in do-it-yourself plans any more. They want the work done by experts. They may want three months' terms or bank loan, FHA credit, but they want the job well done.

"Our referrals to landscape architects and the fees charged by these professional persons have been well taken, as well as charges for our own plans. 'Plan Before You Plant' has been our axiom this year, no matter whether it is a rough, penciled sketch on the site or a well-conceived and executed landscape architect's drawing.

"Autumn is an extremely important and good time of year for us in our landscape business. The ground is warm and workable, the weather is cool and getting cooler over three good months and business is less hurried and harried. Jobs may be more carefully planned and profits more readily derived from jobs well done for satisfied customers."

Fall Starts Dry

E. Sam Hemming, Eastern Shore Nurseries, Inc., reports on an incomplete season, in which dry weather was a limiting factor, at Easton, Md., as follows:

"Fall business usually runs very close to spring's in volume, being heavier in landscape business, and lighter in cash sales. Weather has again been a detrimental factor, as the first six weeks were exceedingly dry. Jobs were harder to do, and some had to be postponed. The landscaping business seems to be excellent, with the wholesale business off a bit."

Fall Landscaping Tops Spring's

"Fall of 1959 has been a busy season for us," writes William A. Natorp, William A. Natorp Co., Cincinnati, O. He continues: "We are still in the midst of planting (November 24). Weather conditions for growth of all plants have been good, with sufficient rainfall throughout the season, except for one short dry spell.

"In order to keep skilled labor all year around, we have been able to increase our landscape work each year during the fall season. In 1959, 55 per cent of our landscape business was done in the latter half of the year.

"Fall business was not so heavy in our garden store and nursery

SEEDLINGS AND LINERS

FALL—SPRING, 1959-60

	Per 100	Per 1000	Per 10000 or more
TAXUS CUSPIDATA CAPITATA, seed grown			
8 to 12 ins., XX	\$85.00		
6 to 10 ins., X	42.50	\$275.00	\$250.00
4 to 6 ins., X	26.00	210.00	190.00
COLORADO BLUE SPRUCE			
(3-2), 8 to 12 ins.	28.00	210.00	
(2-2), 6 to 10 ins.	18.00	150.00	135.00
(3-1), 6 to 10 ins.	14.00	75.00	
(3-0), 6 to 12 ins.	10.00	45.00	42.50
(2-0), 2 to 5 ins.	7.50	28.00	24.00
WHITE SPRUCE			
(3-1), 6 to 10 ins.	12.00	70.00	
(3-0), 4 to 8 ins.	8.00	45.00	42.50
(2-0), 2 to 5 ins.	7.50	26.00	22.00
NORWAY SPRUCE			
(3-0), 6 to 12 ins.		8.00	40.00 37.50
BLACK HILLS SPRUCE			
(3-0), 4 to 8 ins.	8.00	40.00	37.50
DOUGLAS FIR			
(2-2), 12 to 15 ins.	28.00	220.00	
(2-2), 6 to 12 ins.	22.00	180.00	
(2-0), 3 to 5 ins.	7.50	28.00	26.00
WHITE PINE			
(2-2), 5 to 10 ins.	16.00	130.00	
PONDEROSA PINE			
(2-2), 6 to 12 ins.	10.00	60.00	
MUGHO PINE, Tyrolean dwarf			
(2-2), 3 to 4 ins.	22.00	160.00	150.00
AUSTRIAN PINE			
(2-2), 8 to 14 ins.	12.00	85.00	
(2-1), 3 to 8 ins.	10.00	37.50	32.50
(3-0), 5 to 10 ins.	10.00	28.00	24.00
(2-0), 2 to 4 ins.	6.00	18.00	16.00
SCOTCH PINE (Poland)			
(2-2), 12 to 16 ins.	14.00	70.00	
(3-0), 12 to 16 ins.	9.00	34.00	30.00
(3-0), 8 to 12 ins.	7.50	26.00	22.00
(2-1), 3 to 8 ins.	9.00	36.00	32.00
SCOTCH PINE, AUVERGNE			
(2-1), 3 to 6 ins.	9.00	36.00	32.00
(2-0), 3 to 6 ins.	7.50	22.00	18.00

ON TRANSPLANT STOCK ONLY: An order of 5000 on one item, 10,000 price applies; 5% for cash with order. Send for Illustrated List.

MATTHEWS NURSERY

Harbor Springs, Mich.

Telephones: 123, 124 or 732

Peach
Hydrangea P. G.
Hydrangea P. G. (Tree Form)
Ornamental Trees
Grapevines, 1-yr. and 2-yr.

Thorne Brewster

WILLOWBEND NURSERY
PERRY, O.



Northern Growers of
Ornamental Evergreens
Deciduous Trees and Shrubs
Write for trade list.
THE PEQUOT NURSERIES
Brainerd, Minn.

DUGAN'S CHOICE NURSERY-GROWN PLANTS!

See page 69, August 15 issue of American Nurseryman, for complete list or write:

DUGAN NURSERIES, INC.
Center St. Perry, Ohio

100th YEAR!

the
cottage
gardens



Nick I. W. Kriek — Harold E. Hicks
2707 W. St. Joseph St., Lansing 17, Mich.

	Each	Each
	100 rate	1000 rate
<i>Taxus cuspidata</i>		
2-yr. pot	\$0.30	\$0.28
<i>Taxus cuspidata capitata</i>		
2-yr., 8. (9c each, 2500 rate)	.12	.10
<i>Taxus densiformis</i>		
2-yr., T.	.45	.43
<i>Taxus media brownii</i>		
5-yr., T.T., very heavy	1.10	1.05
Quotations for larger quantities on request.		
Ask for complete list.		

PEACOCK NURSERIES

Evergreens Shade Trees
Shrubs Peonies

WHOLESALE GROWERS

Write for price list.
721 S. Cleveland-Massillon Rd., AKRON, O.



Pfitzer Juniper

Pfitzer Juniper Each
6 to 10 ins., bare-root\$0.06
Plant Bands10

Andorra Juniper
6 to 8 ins., bare-root05
Less than 300, total order, 9c more
per plant. Less than 50 of any item,
4c more per plant. See classified under
lining-out stock for other items.

McININCH GREENHOUSES

St. Joseph, Mo.



Wholesale growers of the best
Ornamental Evergreens
Deciduous Trees
Shrubs and Roses

Write for our current trade list.
The Kallay Brothers Co.
1251 Madison Ave. PAINESVILLE, O.



EVERGREENS

Growers of Quality Evergreens
Lining-out Stock a Specialty

Write for Trade List

EVERGREEN NURSERY CO.
Established 1864 : STURGEON BAY, WIS.



TAXUS

is our specialty.
Bed stock—Liners
Finished—Specimen.

Send for List

EAGLE CREEK NURSERY CO., NEW AUGUSTA, IND.

Northern-Grown Liners
Christmas Tree Seedlings
Potted Evergreens

Send for price list.

JOHN G. ZELENKA EVERGREEN NURSERY
Rt. 2, Grand Haven, Mich.

operations, accounting for 35 per cent of the year's volume in each. Christmas business in our garden stores, however, is increasing each year and helps to keep many of our men employed during December. Our total increase this year will average between 7 and 7½ per cent over 1958."

Michigan Demands Off

Bad weather in both fall and spring hampered operations at the Stark Nursery, Midland, Mich., according to John S. Stark, who writes as follows:

"Normally, our autumn business approximates 40 per cent of our annual sales, but this season seemed to be an exception. Due to the late arrival of spring, our cash-and-carry sales, as well as landscape planting, got off to a slow start, but picked up fast as the season progressed. A cold, rainy autumn, however, hampered our digging and lawn construction during that season.

"Bulb sales were down about 40 per cent, which seemed to be the general trend in this area.

"Our sales for the year thus far show a gain of about 8 per cent over last year's, due to several large contracts. Our plant material has made excellent growth this year, and we believe that it has hardened down in good condition to be more winter hardy than it was last year."

Late Start in Illinois

Eugene A. de St. Aubin, Eugene A. de St. Aubin & Bro., Inc., Addison, Ill., cites the varied aspects of the Illinois fall season as follows:

"Weather conditions this fall were not conducive to an early season start. There were heavy rains the first few days of August and then no rain until late September. The ground became so dry that we believed it necessary to supply moisture to a number of items. September and the forepart of October were not up to the usual marks. Thereafter, activity in all departments increased and has persisted to some extent up to the present cold spell. We were gratified at the results of the last half of the period and we are confident that this season will be a satisfactory one.

"Stock moved in a normal manner. The proportion of evergreens, shrubs and trees followed closely the outgo average, with balled shrubs again making a slight gain. Collections have been fairly good.

"The steel strike has affected business, and gives an inkling of what can be expected should it be repeated or if two other groups of

New and Coming Sure-Fire Roses

BINGO

(Plant Pat. No. 1392)
A deep red hybrid tea with grandiflora tendencies. A. R. S. rating 7.5. Suggested retail, \$2.25.

Each	Each	Each	Each
1 to 9	10 to 19	20 to 99	100 to 249
\$1.40	\$1.25	\$1.125	\$1.05
Each 250 and up, 95c			

PINK FRAGRANCE

(Plant Pat. No. 1493), A. R. S. 1958, 7.6. A many-petaled pink rose with outstanding, lustrous foliage. Suggested retail, \$2.50.

Each	Each	Each	Each
1 to 9	10 to 19	20 to 99	100 to 249
\$1.60	\$1.40	\$1.25	\$1.20
Each 250 and up, \$1.10			

ORDER THESE ROSES FROM ANY OF THE FOLLOWING NURSERIES:

The Monroe Nursery Co.

Monroe, Mich.

The Greening Nursery Co.

Monroe, Mich.

Peterson & Daring

Scappoose, Ore.

Shenandoah Nursery

Shenandoah, Ia.

Elmer Roses

6708 N. San Gabriel
San Gabriel, Calif.

REMEMBER SHERMAN'S for . . .

Alpine Currant
Hydrangea P. G.
French Lilacs
Snowball
Shade Trees
Evergreens
Phlox
Peonies
Plum Seedlings
Lining-out Stock

Let us quote you on your requirements.

SHERMAN NURSERY CO.

CHARLES CITY, IA.

JUNIPERS

Juniperus chinensis pfitzeriana
(Pfitzer Juniper)

2-yr., T., sheared, well-grown.

6 to 12 ins., row run.

\$40.00 per 100; \$360.00 per 1000

Also—Andorra, Blue Pfitzer, Sabina, Sabina tamariscifolia and Von Ehren.

LEAVENWORTH NURSERIES

12th and Vilas Leavenworth, Kan.

THE JOSEPH F. MARTIN CO.

Growers of Fine Perennials and
Rare General Stock

Fall catalog available soon.

P. O. Box 189 Painesville, O.

VICARY PRIVET

Lovely golden-leaved variety. Extremely adaptable for a striking border. Retains full golden color from spring to fall. Beautiful for rose bed borders. Should have full sun.

Liners in 2-in. pots	Per 10	Per 100	Per 1000
Rooted cuttings, 100, \$10.00; 1000, \$100.00.			

BEARDSLEE NURSERY PERRY, O.

Bentley's

HARDY PLANTS

QUALITY—SERVICE

Perennials a Specialty.

2550 Mentor Ave. MENTOR, O.

nation-wide importance should come to an impasse.

"We are optimistic for spring, if uncertainties clear up. There is a pent-up demand for stock carried over from fall. Building continues at a good pace, and with the psychological factor present, the coming season should be one of good business."

Short Season for Minnesota

"General landscape, nursery and bulb business was good this fall, considering weather conditions," according to Harold S. Reid, Holm & Olson, Inc., St. Paul, Minn. He continues: "Though the planting season started favorably, with good weather, it ended up short and expensive, because of excessive rains. The second week in November put a stop to the entire operation with six inches of frost."

Record Fall in Missouri

"We have had better business this season than ever before," reports Royer K. Wilkerson, Wilkerson Nursery, Columbia, Mo. "We still have a considerable number of orders to fill. The size of the orders this fall is greater than that of last year's; we expect our dollar volume will increase by about 25 to 50 per cent."

"Little of our deciduous stock is sold in the fall—not more than 5 per cent of the year's total, but we make about 40 per cent of our B&B sales in the autumn. We feel that spring business will be better than it was last year."

Unusual Iowa Season

A considerable drop in fall sales of deciduous stock and an increase in evergreen sales were actually favorable circumstances for Robinson & Parnham, Des Moines, Ia., according to Harold J. Parnham. He notes other unusual data contributing to a successful year in the following letter:

"Some strange things take place in our business from year to year and they are sometimes hard to explain. In brief, here is what happened to us in the past five months:

"Hard goods sales are off 7 per cent; professional sales are off 50 per cent; landscape sales are up over 100 per cent, and fall bulb sales are off 25 per cent. Our over-all picture for 11 months is up 34 per cent. Fall landscape jobs have run as much as 90 per cent industrial or commercial plantings and only about 10 per cent or less residential.

"Fall business consisted of 50 per cent more evergreens and only about

THE MEAD NURSERY

Rt. 3, Box 213

Oconomowoc, Wis.

Wholesale Growers of Landscape Stock

FRENCH LILACS

FLOWERING CRAB APPLES

HONEY LOCUSTS

MAPLES — WILLOWS

EUONYMUS FORTUNEI

PFITZER JUNIPERS

Write for List

ATTENTION GARDEN SHOP OPERATORS

Save Money — Buy Wisely

Looking for Bedding Plants?

Need a Supplier for Foliage Plants?

Want to Stock Pot Plants for Flower Holidays?

Are You in the Market for Bulbs?

So that you will know what the best values are and the leading sources of supply, it would pay you handsomely to check the classified advertising department of The Florists' Review before making your purchases. Each week hundreds of offers appear in 17 to 30 pages of classified ads.

Fill in the coupon today and mail with your remittance. You can save many times the subscription price by checking these ads each week. Hundreds of garden center operators are already doing this.

FLORISTS' REVIEW
343 S. Dearborn St.
Chicago 4, Ill.

Please enter my subscription to The Florists' Review for one year.
Enclosed is my remittance of \$8.00.

Name

Address

City..... State.....

ROSA MULTIFLORA JAPONICA

From the country's largest production of quality living fence plants.

Conservation grade,	Per 100	Per 1000
3 mm., 8 to 12 ins.,		\$ 13.50
No. 2, 2 1/16 to 3/16-in. cal.,		
12 to 18 ins.,	18.00	
No. 1, 3/16 to 1/4-in. cal.,	24.00	
Jumbo, 1/4 to 5/8-in. cal.,	\$ 5.00	36.00
Country Club, 1/2-in. cal. and up	10.00	60.00
Heavy, 2-yr., 2 to 3 ft.,		
1/2-in. cal. and up	15.00	100.00

We run short every spring; so cover now whether you wish shipment now or in the spring.

FORREST KEELING NURSERY

Hugh Stevenson, Prop.

**MISSOURI
GROWN
IS HARDY...**

Elisberry, Mo.
Phone:
TWin Oaks 8-5571

COMPLETE ASSORTMENT OF

Evergreens, Fruit Trees, Shade
Trees, Roses and Lining-out Stock.

Write for complete list.

ONARGA NURSERY CO.
ONARGA, ILL.

ORNAMENTALS TREES SHRUBS EVERGREENS

Wholesale growers of a
general assortment for
the best landscape plantings.

BRYANT'S NURSERIES
Princeton, Illinois

THE HOME NURSERY

Corliss Ingels La Fayette, Ill.
Since 1887 in Stark County

At the junction of Rts. 17 and 78.
Catering to midwestern landscape
nurserymen.

Shade Trees—Shrubs—Evergreens.
Write for complete Wholesale List

ARMINTROUT'S EVERGREEN NURSERY ALLEGAN, MICH.

Seedlings—Transplants
Finished Stock
Send for price list.

AMERICA'S BEST SOURCE FOR HARDY PLANTS

Write for Trade List MENTOR, OHIO

Wayside Gardens

one third of normal deciduous sales. That was a lucky break, for we have not yet had a good killing frost in the Des Moines area (November 17). Along with the much over normal rainfall, this has made it difficult to dig deciduous stock, as it has stayed green right up to this week's below-zero weather.

"Another interesting sidelight is that we have received many jobs this fall on which we were the highest bidder. We seldom bid on highly competitive jobs for the reason that the best and the cheapest just are not bedfellows. We have always tried to do the best. I hope it is beginning to pay off."

Virginia Gains

Sales increased this fall, along with the number of industrial landscape contracts and the demand for specimen trees and broad-leaved evergreens, writes Wendall L. Winn, Norfolk Nursery, Norfolk, Va. His letter follows:

"Sales since September 1, 1959, indicated an increase of 5 per cent over the preceding fall. Autumn volume constitutes 40 per cent of sales over a period of one year. Demand for large specimen trees and broad-leaved evergreens is increasing.

"Advertising in local newspapers is found to be very effective, especially when located on the page featuring society or gardening news. We have encouraged all representatives to participate in civic affairs of our area and find that their interest is thoroughly appreciated. Confidence in representatives of the nursery industry, through this medium, is an excellent form of public relations.

"Industrial and commercial landscape contracts are steadily increasing as a result of the American Association of Nurserymen program. Concrete and asphalt are being replaced with lawns, trees and shrubs. Orders for spring delivery are larger than in previous years, and it appears that landscape contracts will also increase in 1960."

Fall Almost Equals Spring

"We have had a very satisfactory fall season to date," writes Louis E. Hillenmeyer, Hillenmeyer Nurseries, Lexington, Ky., in a letter dated November 23. "Weather, soil conditions, labor and volume, while not exactly perfect, have been such that we are not 'gripping'—in other words, 'The Sun Shines Bright on Our Old Kentucky Home.'"

"If good weather continues, we hope to have the largest fall business

NORTHERN-GROWN STOCK

Evergreen Liners
Ornamental Shrubs
Fruit Trees
French Lilacs
Shade and Ornamental Trees
Philadelphus Minnesota Snowflake
(Plant Patent No. 538).

Send for complete list.

J. V. BAILEY NURSERIES

1325 Bailey Rd. St. Paul 6, Minn.

Growers of Heavy Landscape Material

Shrubs

Evergreens

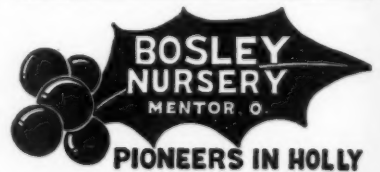
Shade Trees

Write for List

BORK NURSERY

Onarga, Ill.

Phone: AM 8-7267





Hardy Northern-Grown Stock at WHOLESALE

JEWELL NURSERIES, Inc.

Write for Price List.

Box 457, LAKE CITY, MINN.

in our history. Each year, we try to increase fall sales in comparison with our spring business and have been somewhat successful. Now the proportions are about 45 per cent in fall and 55 per cent in spring.

"We hope to show about 10 per cent increase in our sales, and the only discordant notes are that profits do not keep up with our volume, and collections have been slow.

"Lexington has enjoyed more than average growth and there has been much new building in central Kentucky. There is practically no heavy industry in our area, and the steel strike has not affected us so far. We are looking forward to a good Christmas business in our garden stores and feel that we are going to have a good spring season."

Tennessee Sales Up

A drop in retail sales at the nursery, a considerable increase in landscape work and difficulty with collections are among the aspects of the fall season reported by Richard H. Jones, Jones Ornamental Nursery, in this letter from Nashville, Tenn.:

"The 1959 growing season was excellent for us and for most nurserymen of this area. Only September was without plenty of rain, and that was not true throughout the region.

"We have now enjoyed three successive good growing seasons, which is much different from the previous 6-year cycle, 1951 through 1957, of heat and drought.

"Our fall business, which usually runs 25 per cent of the annual total, is above that of 1958 and probably marks an all-time high. This is rather surprising, because our carriage trade, cash-and-carry and do-it-yourself business is down badly; but the landscape business is way up and accounts for the increase in total sales.

"From what I have heard, this is true with most of the retail nurseries here. Even advertising has failed to bring in customers, though we did not have a fall sale. This lack

You'll Like Doing Business With VANS PINES

West Olive, Mich.

Order Your Stock Now from This Price List

SCOTCH PINE (Pinus sylvestris)				NORWAY SPRUCE (Picea excelsa)				WHITE SPRUCE (Picea canadensis)				BLACK HILLS SPRUCE (Picea canadensis var. densata)				COLORADO BLUE SPRUCE (Picea pungens glauca)				DOUGLAS FIR (Pseudotsuga douglasii)							
French listed. Austrian Hill, Scotch Highland and Spanish also available in select sizes at identical prices.				Per 1000				Per 1000				Per 1000				Per 1000				Per 1000							
				Per 1000				Per 1000				Per 1000				Per 1000				Per 1000							
				100 1000 lots				100 1000 lots				100 1000 lots				100 1000 lots				100 1000 lots							
2 to 4 ins., 2-yr., S.....				\$3.50	\$10.00	\$ 9.00	2 to 4 ins., 2-yr., S.....				3.75	18.00	16.00	2 to 4 ins., 2-yr., S.....				3.50	20.00	18.00	2 to 4 ins., 2-yr., S.....				3.50	20.00	18.00
3 to 7 ins., 2-yr., S.....				4.00	16.00	14.00	4 to 8 ins., 2-yr., S.....				5.00	20.00	18.00	3 to 6 ins., 2-yr., S.....				5.00	25.00	22.50	3 to 6 ins., 2-yr., S.....				4.50	25.00	22.50
4 to 8 ins., 2-yr., S.....				5.00	18.00	16.00	5 to 10 ins., special grade.				6.50	25.00	22.50	4 to 8 ins., 2-yr., S.....				6.00	30.00	27.00	4 to 8 ins., 2-yr., S.....				6.00	30.00	27.00
6 to 10 ins., special grade.				6.00	20.00	18.00	3 to 7 ins., T.....				8.00	45.00	40.00	5 to 10 ins., special grade.				8.00	35.00	32.00	5 to 10 ins., special grade.				8.00	35.00	32.00
9 to 14 ins. (3-0), S.....				8.00	25.00	20.00																					
*Indicates stock was root-pruned. All (3-0) stock was root-pruned at end of second year. This stock retains its fine fibrous root system after root-pruning.																											
AUSTRIAN PINE (Pinus nigra)				Per 1000																							
				Per 1000				Per 1000				Per 1000				Per 1000				Per 1000							
				100 1000 lots				100 1000 lots				100 1000 lots				100 1000 lots				100 1000 lots							
2 to 4 ins., 2-yr., S.....				\$3.50	\$10.00	\$ 9.00	2 to 4 ins., 2-yr., S.....				3.50	20.00	18.00	2 to 4 ins., 2-yr., S.....				3.50	20.00	18.00	2 to 4 ins., 2-yr., S.....				3.50	20.00	18.00
3 to 7 ins., 2-yr., S.....				4.00	16.00	14.00	3 to 7 ins., 2-yr., S.....				4.00	16.00	14.00	3 to 6 ins., 2-yr., S.....				4.50	25.00	22.50	3 to 6 ins., 2-yr., S.....				4.50	25.00	22.50
Austrian				Per 1000				Per 1000				Per 1000				Per 1000				Per 1000							
				100 1000 lots				100 1000 lots				100 1000 lots				100 1000 lots				100 1000 lots							
2 to 4 ins., 2-yr., S.....				3.50	10.00	9.00	2 to 4 ins., 2-yr., S.....				3.50	10.00	9.00	2 to 4 ins., 2-yr., S.....				3.50	10.00	9.00	2 to 4 ins., 2-yr., S.....				3.50	10.00	9.00
3 to 7 ins., 2-yr., S.....				4.00	16.00	14.00	3 to 7 ins., 2-yr., S.....				4.00	16.00	14.00	3 to 6 ins., 2-yr., S.....				4.50	25.00	22.50	3 to 6 ins., 2-yr., S.....				4.50	25.00	22.50
3 to 8 ins., T.....				6.00	25.00	22.50	3 to 8 ins., T.....				6.00	25.00	22.50	4 to 8 ins., 2-yr., S.....				6.00	30.00	27.00	4 to 8 ins., 2-yr., S.....				6.00	30.00	27.00
JACK PINE (Pinus banksiana)				Per 1000				Per 1000				Per 1000				Per 1000				Per 1000							
				100 1000 lots				100 1000 lots				100 1000 lots				100 1000 lots				100 1000 lots							
4 to 12 ins., 2-yr., S.....				5.00	12.50	11.00	4 to 12 ins., 2-yr., S.....				5.00	12.50	11.00	4 to 12 ins., 2-yr., S.....				5.00	12.50	11.00	4 to 12 ins., 2-yr., S.....				5.00	12.50	11.00

WRITE TODAY — OR CALL EXPORT 6-0702 (Holland, Mich.)

Cole's Nationally Advertised



brings your business

MORE SALES . . . MORE PROFITS

Your customers are reading about SUNBURST in the magazines above. Make sure of your share of the business created by this sales-producing campaign. Order your supply now. Get complete information on all sizes and prices of fast-selling SUNBURST in our Trade List of 360 varieties of high quality nursery stock from Ohio's Largest Wholesale Nursery.

THE COLE NURSERY Co., Painesville, Ohio



KLYN'S

Roses — Rhododendrons
Magnolias — True Japanese Maples
Hollies — Taxus — Hardy Azaleas

Many other choice items. For 35 years.


GERARD K. KLYN, INC.

Mentor, Ohio

Season's Greetings from California



Merry Christmas and Happy New Year

FROM ALL OF US AT 



MONROVIA NURSERY Co.

P.O. BOX Q, AZUSA, CALIFORNIA



FLOWERING DOGWOODS

Cherokee Chief®—Red-flowering
(Plant Pat. No. 1710)



Cherokee Princess—Sno-White
← (Not Genuine Without This Tag) →



Hillenmeyer White-flowering
Pink-flowering
Double White-flowering

Write for our wholesale list.

BUY QUALITY . . . There's no substitute!

TENNESSEE VALLEY NURSERY

Hoskins Shadow

Phone: WOODLAWN 7-2652

Winchester, Tenn.

Over 160 of the Newest and Favorite Old Varieties
Both in Patented and Non-Patented

ROSES

The latest in TOP SALES appeal in packaged roses. Don't wait—get your order in now for immediate or later shipment.

Write for price list.

LONE STAR

**ROSE
NURSERY**

**TYLER, TEX.
Phone: LY 4-4704**

The Homestead Nurseries

H.G. Benckhuysen. Boskoop. Holland

Specializing in hardy Rhododendrons and Azaleas, Acer, Fagus, Ornamental Trees and Shrubs, Perennials in leading varieties. Quality stock. Trade list on request. Ocean and air freight.

JUMBO FLOWERING CRAB APPLES

Hopa — Eleyi — Red Silver
Scheideckeri — Dolgo
6 to 7 ft., \$1.50 each

Almey, \$2.00 each



Commercial Nursery Co.

Decherd, Tennessee

Wholesale Nurserymen Since 1900



AARS winners and
130 other popular
varieties. In attrac-
tive, colorful pack-
ages or bare root.

Beautiful shade, produc-
tive too! Prolific varie-
ties. Sizes 1 1/4 to 12
feet. In attractive pack-
ages or bare roots. Get
stock list and prices.

PECAN TREES



ARP Nursery Co.

Box 3338-J, Tyler, Texas

**GLOBE
NURSERIES**

McMinnville, Tenn.

Shades — Liners — Fruits

WE SPECIALIZE IN FINE Azaleas and Camellias

Write for Catalog

FLOWERWOOD NURSERY

GREGORY L. SMITH, Owner
Rt. 1, Box 130 MOBILE, ALA.

and the fact that we are no longer open on Sunday afternoon may account for the drop in our sales at the nursery.

"With the increased landscape business, we have been rushed trying to do the work with our more experienced men. Hiring inexperienced men runs our costs up, so we have tried to hold them to a very few.

"All our costs are still increasing faster than our prices. We think that our delivery costs have grown far out of proportion. The expenses for trucks, gasoline and especially repairs are making it extremely difficult to hold delivery cost down. Next to labor it is our largest expense and has increased even more than labor cost.

"One factor that helped our landscape business was fine fall weather. Only now (November 25) are we beginning to lose any appreciable time, whereas in fall of 1958 bad weather started with November.

"Collections are very slow, and we find that many accounts are just as slow as we will let them be. Credit is being stretched as far as possible."

Florida Expects Good Season

In a letter from Leesburg, Fla., dated November 27, G. W. Pringle, Florida Nursery & Landscape Co., points out that his firm expects to have a better than average fall, winter and spring volume, but that the business in general follows the pattern established in previous years. He writes:

"Generally speaking, our business curve begins to arch upward about October 1 and continues upward until about January 15, reaching a peak in April or May after a steeper incline. From there the curve declines to its lowest point in August or September.

"Business this fall is following the pattern of previous years. From all indications we will have a better-than-average fall, winter and spring volume, provided the weather is favorable.

"Greater emphasis is being placed on service and quality. Our feature sales ideas, based on outdoor-indoor planning and planting, are: (1) Double your living area for nominal cost; (2) lick your teen-age problems by providing interesting social areas in your garden; (3) vacation in your own back yard, and (4) grow your own vitamins—plant a fruit tree collection.

"It appears that the industry's inventory will be sufficient, with many new nurseries having been started. The quality of stock over the entire

LINERS FROM OPEN BEDS

All our cuttings are rooted in soil in outside beds under mist—then hardened off and thoroughly established in the soil where they make a mature, hard root system and often some top growth. Many of these rooted cuttings will have to go into 3-in. or larger pots. Better not plan on putting any except the smallest in 2½-in. pots because they just won't fit. Of course, some of the *Ilex crenata* varieties and some of the others can go in pots that small. Some of our friends put the larger rooted cuttings right out in the field and usually have good luck with them, if planted at the right time; that seems a little radical to us and we don't recommend it. However, any plant we list as a bed-grown liner is ready for the field.

BG—bed-grown RC—rooted cutting
C—cuttings S—seedling
Mo., Yr.—date rooted

Arborvitae—See *Thuja*.
Berberis Crispum Pigmy—Light, BG, liners, 18 mo. old, branched to fairly bushy, 5 to 7 ins., 15c; heavy, BG, liners, 6 to 9 ins., bushy, 25c.

Berberis julianae—The hardiest evergreen barberry—Big rooted cuttings, Aug. 59, 9c.
Berberis julianae nana—Compact growth, darker green leaf, may be a little harder, RC, Aug. 59, 10c.
Berberis julianae pyramidalis—An upright, pyramidal form of *Julianae* barberry, evergreen, smaller leaf, very erect, RC, heavy, Aug. 59, 20c.
Berberis metcarnalis—RC, Aug. 59, 7c.

Blota—See *Thuja*.
Buxus sempervirens (Boxwood)—An excellent, bushy strain—C, rooted Sept. 58 and kept cut back to 6 or 7 ins., beginning to bush out well, 10c.

Chaenomeles (Flowering Quince)—On own root from softwood cuttings. No suckering from these plants. In our experience, Flowering Quince on its own roots grows and flowers much better than it does if grafted on anything.

Nivalls—The best of the white-flowering quinces—RC, small, need to be potted or bedded; BG, liners, 6 to 12 ins., 15c; 12 to 18 ins., 24c.

Texas Scarlet—The best for canning because of the profuse red flowers on a compact, low plant. Not so good for the field because it is too spreading. But it is certainly the prettiest quince and maybe the prettiest plant we ever saw in a garden—RC, small, pot or bed them, 10c; BG, liners, 6 to 12 ins., 20c.

Toyonishiki—From Japan through the Morton Arboretum. Pure white, pure pink and pink and white flowers at random on the same branch. Some plants throw single branches of pure red flowers—RC, small, pot or bed them, 10c; BG, liners, 6 to 12 ins., 20c.

Later, when we get them graded, we will list here larger-size liners of *Toyonishiki*, *Simoni* (the deepest red of all), a few *Marmorata* (a smaller edition of *Toyonishiki*) and possibly a few RC of real Japanese alpine. If interested, write now and get your name on the list first.

Chamaecyparis obtusa nana (Dwarf Hinoki Cypress)—RC, 2-yr., 3 to 4 ins., 15c; BG, liners, 4 to 6 ins., 25c.

Cherry Laurel—See *Prunus*.
Cydonia—See *Chaenomeles*.
Elaeagnus ebbingei—New, from Dutch plants, the best we have seen, more upright and attractive than *fruticosa*—RC, June 59, 20c.

Euonymus alatus compactus—RC, June 59, 8c.

Ginkgo biloba (Chinese Maidenhair tree)—1-yr., S., 6 to 9 ins., 10c; \$85.00 per 1000.
Ilex cornuta femina—RC, heavy, 6 to 12 leaves, 8c.

Ilex cornuta burfordi—RC, strong terminal cuttings, 4 or 6 ins. long, have about 6 to 12 leaves each, heavily rooted, 8c; C, rooted Aug. 58, kept cut back to 6 to 12 ins., beginning to branch, 15c.

Ilex crenata convexa (bullata)—RC, Aug. 59, 7c; C, rooted Aug. 58, kept cut back to 5 to 7 ins., beginning to branch beautifully, 10c.

Ilex crenata Glass Spreading—Has a very dark green leaf, C, rooted Sept. 58, kept cut back to 5 to 6 ins., mostly well branched, 15c.

Foremost in intermittent mist propagation. Originator of the Electronic Leaf Control.



Ilex crenata Glass Upright—A pyramidal form, very erect, C, rooted Sept. 58, kept cut back to 4 to 8 ins., nearly all well branched, 15c.

Ilex crenata hetzli—Large RC, Aug. 59, 7c; C, rooted Aug. 58, kept cut back to 7 or 8 ins., beginning to branch well, 10c.

Ilex crenata Maxwell—A Bennett hybrid, looks like convexa, but a much better grower, rather small RC, Aug. 59, 10c.

Ilex crenata rotundifolia—Large, RC, Aug. 59, 7c; C, rooted Aug. 58, kept cut back to 7 or 8 ins., beginning to branch well, 10c.

Ilex Foster's Hybrid No. 2—Narrow, spiny leaves, red berries, fruits heavily, rapid grower, quite hardy, C, rooted Sept. 58, kept cut back to 8 or 9 ins., beginning to branch beautifully, 15c.

Ilex opaca (American Holly)—Northern types, no southern hybrids, guaranteed female and guaranteed male from cuttings—BG, liners, 4 to 6 ins., 17½c; for canning in gallon cans, mostly single stem, some lightly branched, BG, liners, 15 to 30 ins., 40c. *Ilex opaca* shipped only on March 1, 1960 (because that is the very best time to move American Holly).

Juniperus—All the following are from short, greenhouse-type cuttings. They were rooted under mist in beds of soil in the spring of 1959. They have been cut back several times to make nice, compact, heavy, rooted cuttings about 6 ins. high and beginning to bush out. None are leggy. They are still small enough to pot. If you plan to sell potted liners, many of these will be saleable just as soon as they establish their roots in the pots.

Juniperus Andorra—RC, 9c; \$85.00 per 1000.

Juniperus hetzli—RC, 10c; \$95.00 per 1000.

Juniperus pfitzeriana—RC, 10c; \$95.00 per 1000.

Juniperus pfitzeriana Armistrong—Compact, upright, vase-shaped, RC, 11c; \$105.00 per 1000.

Juniperus pfitzeriana Nelson's Compact—A beautiful spreading Juniper, much lower-growing than regular *Pfitzer*, but taller than *Andorra*. A bright bluish-green all summer, bright green all winter, RC, 10c; \$95.00 per 1000.

Juniperus pfitzeriana Nick's Compact—RC, 10c; \$95.00 per 1000.

Juniperus sabina tamariscifolia—RC, 10c.

Magnolia grandiflora—Seedlings from well-spaced outdoor beds, 4 to 6 ins., 6c; 6 to 12 ins., 10c.

Mahonia bealei—1-yr., S., from well-spaced outdoor beds, just right to pot, 6c; \$50.00 per 1000.

Mahonia pinnata—Somewhat like *aquilifolium*, but much better. Vigorous, compact growth in full sun, never leggy, foliage bright bluish-green, new growth red. BG, liners, from 1958 transplanted cuttings, heavy but not well-branched, will branch themselves first year they are in the field, 12 to 24 ins., 50c.

Prunus caroliniana (Cherry Laurel)—3-yr., S., kept cut back to 10 to 12 ins., pretty well-branched but not filled out round, 10c.
Prunus laurocerasus schipkaensis (Cherry Laurel)—The best grower and, we think, the prettiest. RC, July 59, about 6 to 8 ins., many leaves (up to 8 or 10), heavy root system, some beginning to branch, 10c.

Prunus laurocerasus sabeliana (Cherry Laurel)—Usually considered the hardiest, RC, July 59, strong cuttings, many leaves, good root system, 12c; C, rooted 1958, kept cut back to about 8 ins., beginning to branch, 20c.

Thuja orientalis aurea nana (Berkmans Golden Arborvitae)—Cuttings rooted spring 59, kept cut back to about 6 or 7 ins. to make them bush out, but still small enough for a 2½ or 3-in. pot. Several nurserymen have put these right into the field, 10c. Cuttings rooted spring, 1958, kept cut back to 7 or 8 ins., not rounded out yet, but heavy, of good caliber and with a fine root system. Probably too large to pot, but would be nice to can, or fine for the field, 15c.

Viburnum—All these *Viburnum*s are rooted from soft tips in spring or early summer. They grow some during the summer and fall which makes the rooted cuttings from 4 or 5 ins. up to 12 or more inches tall, depending on variety. It is hardly fair to call them rooted cuttings since some of them are more like light, young, bed-grown liners. However, they have not been transplanted, are not branched and most of them are still small enough to pot.

Viburnum burkwoodi—RC, June 59, 10c.

Viburnum chenaaulti—More shapely and attractive than *burkwoodi*, RC, June 59, 15c. 2-yr. liners, C, rooted June 58, not transplanted, kept cut back to 11 to 15 ins., fairly well-branched, good for canning or for the field, 30c.

Viburnum Juddi—Better than *carlesii*. A more compact plant with more attractive leaves. Not subject to leaf spot. Flowers really pink, RC, June 59, 15c; 2-yr. liners, C, rooted June 58, not transplanted, kept cut back to 11 to 15 ins., fairly well-branched, good for canning or for the field, 30c.

Viburnum macrocephalum sterile (Chinese Snowball)—This is the one we love. Dazzling white snowballs, often 8 to 9 ins. in diameter, as big as a man's head, a good grower, in polyethylene plant bands, same amount of soil as in 3-in. pots. On own roots, since it does not seem to grow well if grafted, 65c.

Viburnum rhytidophyllum (Leather-Leaved Viburnum)—RC, July 59, 12c.

Viburnum rhytidophylloides—A hybrid between *V. rhytidophyllum* and *V. lantana*, similar to *rhytidophyllum*, but is harder, RC, July 59, 15c.

Viburnum tomentosum plicatum (Japanese Snowball)—RC, July 59, 12c.

Viburnum tomentosum plicatum grandiflorum—Snowballs considerably larger and whiter than regular Japanese snowball, RC, July 59, 20c.

HEAVY LINERS—We have many liners in polyethylene plant bands with the same amount of soil as a 3-in. pot. Some are *American Holly*, *Blue Pfitzer Juniper* (the best strain—not *hetzli*), *Armstrong's Juniper*, *Pyraecantha lalandi*, *Ilex crenata Glass Upright*, *Berkmans Golden Arborvitae* and others.

IN PLANTAINER CANS—We have many well-grown plants such as: male and female *American Holly*, guaranteed sex from cuttings; *Junipers*—*pfitzeriana* and *Andorra*, *Berkmans Golden Arborvitae*, *Pyraecantha lalandi* and *graberii* (without berries), *Flowering Quince*, both red and white, *Magnolia grandiflora*, *Mahonia bealei* with 3 or 4 plants to the can as it should be, *Canadian Hemlock* and others.

FREE PACKING, liners in sphagnum moss and polyethylene plastic. Cash with order or 25% deposit, balance at time of shipment.

HARVEY TEMPLETON, JR.

phytotektor.
U.S. HWY. 64-41A
WINCHESTER - TENNESSEE

state has continued to improve and, in my opinion, is 'tops' this year."

Nebraska Fall Sales Restricted

Though autumn business is only 15 per cent of the spring volume at

Marshall Nurseries, Arlington, Neb., the season compared favorably with those of other years, according to Vernon Marshall. He also notes a bright outlook for next spring in the following letter:

"We have enjoyed an excellent fall business and, I think, have booked and planted as much or more nursery stock than we have in former years. Autumn accounts for a comparatively small part of our

CANADIAN HEMLOCKS

EXCELLENT QUALITY

PRICES AT OUR NURSERY

	Each 10 to 24	Each 25 and up
2 to 3 ft..	\$3.50	\$3.00
3 to 4 ft..	4.50	4.00
4 to 5 ft..	5.50	5.25

Ask for delivered prices on
trailerload lots.

Quality Plants Since 1841

HILLENMEYER
Nurseries
GEORGETOWN MD.
ON U.S. 22 NORTH
LEXINGTON, KY.

Mention The American Nurseryman when you write.

AZALEAS

CONIFERS and BROAD-LEAVED EVERGREENS

Finished Stock and
Potted Liners

Write for price list.

Send us your want list.

Fritschler's

NURSERY

4425 W. Lawn Dr.
Nashville 9, Tenn.

business in this area; in fact, we make no fall sales except landscape jobs for which our own crews do the planting. Our fall business is probably not over 15 per cent of the volume we do in the spring.

"Our bookings for spring are somewhat ahead of those of a year ago and we are optimistic about the future. Crops have been good in this area, and, of course, this is a factor in determining the willingness of our customers to purchase nursery stock. At present our Omaha and Denver nurseries, as well as the office at Arlington, are all ahead of a year ago on sales for spring delivery.

"We have had some rather unseasonable weather during the month of November. It has been touch and go as to whether or not we could get everything dug and in storage before freeze-up time. However, with a few more good days we will have this taken care of and we will feel much easier about the situation."

Kansas Firm Has "Best" Fall

Ralph B. Ricklefs outlines a few of the promotional factors that helped make this season the best fall in 10 years for the Kansas Landscape & Nursery Co., Salina, Kan. He writes:

"Autumn business is not nearly so important to us as spring business; however, we tend to 'push' it more, since we have more time to do so. Although we cannot quote accurate figures, this was a much better fall than any previous one in the past 10 years.

"This year we tried, through special sales and special advertising, to move some of our larger evergreens. The campaign was highly successful, and we had more time to handle these larger sizes than in the spring. This also gives us an opportunity to plan better for spring planting, since we cleared several blocks of larger evergreens.

"We also feature, in October and November, cut bouquets of field-grown chrysanthemums at a bargain price. This stimulates related sales and stirs much interest in chrysanthemum plants for future sales.

"The flower sales culminate in an open house, when all flowers and featured evergreens are on display and prizes are given. This creates a great deal of publicity and advertising for us.

"In regard to our nursery operations, unseasonably early winter, with record low temperatures, caught us with our fall digging just begun. Fortunately, we received little snow and moisture with this cold

Hardy, Northern-Grown

DWARF MALLING ROOTSTOCK

E. M., IX, VII, II and
Clark Dwarf Scions

New woolly-aphid resistant
Malling-Merton

No. 104, 106, 109, 111

Quince, A—St. Julien, A

(the best for dwarf peach trees)

Available in transplanted stock and
rooted layers. Generously graded.

Send for our list.

V. KRAUS NURSERIES

Carlisle, Ont., Canada

Phone: Waterdown, MU 9-4022

WAYNESBORO NURSERIES

Waynesboro, Virginia

Virginia's largest growers of fruit trees. Also offering extensive line of ornamental plant material, including shrubs, coniferous and broad-leaved evergreens, flowering and shade trees.

Ask for Wholesale Price Lists on
both bulk and packaged stock.

"Pedigreed Seed Covers the Earth"

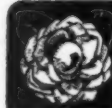
Pedigreed Seed Co.

Lawnseed Specialists for Over 35 Years!

Write or phone collect for prices on your
Special Formulas, Private Brands
or Straight Seeds!

Pedigreed Seed Co.

96 Forrest Street, Jersey City 5, N. J.
Henderson 5-2100



SEMME'S NURSERIES

AZALEAS - CAMELLIAS
and other choice evergreens

Wholesale Catalog SEMMES, ALA.

Concord Grape Roots

Red Raspberry

Flowering Shrubs

Boston Ivy

Currants

IVAN R. CONGDON NURSERY

North Collins, N. Y.

Wholesale Growers of Broad-Leaved
and Coniferous Evergreens

Ask for trade list.

LINDLEY NURSERIES, INC.

P. O. Box H Greensboro, N. C.

spell. Since then, the weather has moderated, and at this writing (November 24) we are attempting to get some 2,000,000 seedlings, shrubs and trees on the inside."

Profit Lags Behind Volume

Net profit did not keep pace with the increase in fall volume experienced by the Puget Sound Nursery & Gift Shop this season, according to L. H. McGuire. He also reports a decrease in the company's emphasis on sales of hard goods and related items in this letter from Tacoma, Wash.:

"Our spring business is much better than that of autumn both this year and in previous years. I would say that the ratio is about 3 to 2 or slightly higher. However, the autumn business would be much less if we did not have a good landscape program during the fall.

"Relative to sales in the retail yard, I would say that spring sales average 3 to 1 over autumn sales. One of our local nurseries that relies strictly on retail salesyard trade estimates that it does 75 per cent of the year's business by July 1. I might add that this nursery carries on an extensive newspaper and TV advertising program during the fall.

"1959 sales are up a little over those of 1958 in spite of the facts that 1958 was a good year and that the sales lot competition has increased. I am sorry to add that the net profit has not increased in proportion to the increase in sales. I believe this is due to both an increase in all costs and a slight decrease in return per dollar of labor cost.

"We have de-emphasized the sale of hard goods, bulbs and such items in the past year. In our operation, I believe that these items do not merit the additional sales costs that are necessary to increase their sales volume to a profitable point. Because of the smaller margin of profit on merchandise of this type, it seems necessary either to go all out for a large volume or not to stress its sale at all."

Nurseries in the Bay area of northern California have a 20 per cent increase in sales, largely due to excellent weather, reports John McDonnell, McDonnell Nurseries, Oakland, Calif.

AFTER 25 years with the Mecklenburg Nurseries, Charlotte, N. C., Harold F. Daniels has resigned to form Harold Daniels Corp. The new firm, at 3223 Mountainbrook road, Charlotte, specializes in landscape contracting.

Quality, Nursery-Grown SHADE TREES and Other Items

Sugar Maple, sizes 3-in. cal. down to 6 to 8 ft.
Silver Maple, 3-in. cal. and all sizes smaller
Green Ash, 2-in. cal. and smaller
Hackberry, 8 to 10 ft., 6 to 8 ft.
Honey Locust, Thornless, 1½-in. cal. and smaller sizes
Pin Oak, 8 to 10 ft., 2-in. cal. and smaller
American Linden, few 2-in. cal., also 6 to 8 ft., 8 to 10 ft.
Redbud, 1½-in. cal. and smaller
Red Maple (rubrum), 8 to 10 ft., 6 to 8 ft.
Sweet Gum, 2-in. cal., 1½-in. cal. and smaller
Tulip Poplar, 3-in. cal. and sizes smaller
Sycamore, 3-in. cal., 2-in. cal., 1½-in. cal. and smaller
European Mountain Ash, 8 to 10 ft., 6 to 8 ft.
Chinese Elm, all sizes 6-in. cal. and smaller
Cornus florida and Cornus florida rubra, 7 to 8 ft. and sizes down to 18 to 24 ins.
Purple Fringe, sizes 6 ft. and smaller
Oak-Leaved Hydrangea, in quantity, mostly 3 to 4 ft., heavy, br.
Flowering Crab Apples, 8 best varieties
Apple, 1 and 2-yr., heavy, br., all sizes
Apple, 1-yr., 4 to 5 ft., 5 to 6 ft., br., 22 best varieties
Peach, 1-yr., 1-in. cal. and sizes smaller, 38 best varieties of both new and old
Double-Flowering Peach, in quantity and quality
Apricot, Nectarine, Plum, including purple-leaved
Call or write for prices, but best come and see the quality, quantity and values to be had.

SHAHAN NURSERIES

Tullahoma, Tenn.

RHODODENDRON

Catawbiense, Maximum, Carolinianum

Kalmia, Hemlock, White Pine
Leucothoe, White Dogwood, Balsam
Cutbacks, Seedlings, Finished Stock
Write for price list.

ANTHONY LAKE NURSERY, INC.
PINEOLA, N. C.



Azaleas, Ilex
and Magnolias
Lining-out and container-grown stock.

Semmes, Ala.

HOLLIES



AMERICAN HOLLY

(Ilex opaca)

The most wanted plants in America. We offer these only in named varieties, of tried and proved worth.

ORIENTAL HOLLIES

Popular varieties, such as Ilex burfordi, I. cornuta femina, I. hetzi and I. rotundifolia. Write for descriptive wholesale price list.

STEPHENS NURSERIES

Semmes, Ala.

PLANT NOTES HERE AND THERE

By C. W. Wood

Two Good Plantain Lilies

An eastern reader wishes to add two plantain lilies (*hosta*) to his stock and asks for comments and recommendations. I am glad to comment on the subject, for the plants embraced by the name form one of the more important landscape groups. Recommendations, if they are to carry specific names, are another matter, because the names used in gardens are hopelessly confused. I shall be glad, however, to pick out two that have proved to be popular with garden makers, and try to describe these. The blame for confusion in names cannot be placed entirely upon gardeners, though, because a form known to botanists as *Hosta errormena*, was grown in gardens for a long time without having a name, or it was known by several of the recognized names. The form botanists know as *H. lancifolia* is quite firmly embedded in the literature as *H. japonica* and, to a lesser degree, as *H. lanceolata*.

One of the favorites with experienced gardeners is what I take to be *H. fortunei*, though it may be known under any of a half dozen names. The characters to look for when trying to recognize this plant are scapes to two feet or more in height, extending above the foliage mass (hence the common name tall-cluster plantain lily) and glaucous leaves to five inches long and three or more inches in width. It begins to bloom in late June or early July. The length of the leaves of *H. fortunei* sets it apart from *H. sieboldiana*, the scapes of which are mostly shorter than the foliage (hence the common name short-cluster plantain lily), and whose leaves may get a foot long and eight inches or more across. Both plants bloom at about the same time, and the flowers of both kinds are pale lilac to white. Either plant will make a good ornament.

Another favorite with planters is the narrow-leaved plantain lily, *H. lancifolia*, especially the form *albo-marginata*. In gardens it is often grown under such names as *H. japonica*, its old name; *H. fortunei*; *H. decorata*, and others. This plant can be recognized by its narrow (two inches), lance-shaped (tapered at both ends), green (not glaucous) leaves, with three or four nerves on each side of the midrib, and lavender

to lilac bells hanging from 2-foot scapes, standing well above the foliage. It blooms from August onward.

Although the plantain lilies give the best account of themselves when they have sufficient moisture, they are quite tolerant and will persist under neglect. They thrive in rich soil, preferably clay with good drainage, I believe, and seem to prefer some shade. However, the small-leaved kinds show little, if any, of the leaf burning experienced by the large-leaved plants when given full sun, so they may be used as edging plants in almost any position. Propagation of plantain lilies is from division of the clumps.

Arenaria Gothica

A correspondent, who has been disappointed with the results he achieved with *Arenaria gothica*, asks for information about the plant.

I can find nothing in my notes on the plant and do not remember having seen it, though I do recall looking for it years ago. So I shall have

to rely on the books for information. And I find this is one of Farrer's books, which I paraphrase as follows:

Arenaria gothica is a tiny plant, with shoots not more than an inch long lying upon the ground and set with pairs of glossy, small, oval leaves, dark green and fat looking. The flowers are borne all through the summer, lying here and there on the tuft. They are large for the size of the plant and are of a clear, solid white.

Farrer also remarks that cultivation might change the plant's appearance, especially if it is given a generous diet. Then it might grow more erect and larger, losing the daintiness which makes it so attractive in nature. His conclusion seems to be that the moraine is the best place for this plant.

Ranunculus Aconitifolius

I agree with a Maryland correspondent who said in a recent letter that more use should be made of the European *Ranunculus aconitifolius*

COMPLETE WHOLESALE PRICE LIST NOW READY FOR MAILING

LINING-OUT and FINISHED STOCK

TREES — FLOWERING SHRUBS
PRIVET — VINES — EVERGREENS

Write for your copy today if not on our mailing list.

FOREST NURSERY CO., INC.
McMINNVILLE, TENN.

SEEDS

for the Nurseryman and Forester.

Write for catalog.

F. W. SCHUMACHER, HORTICULTURIST
SANDWICH, MASS.

ROSE BUSHES

Patented and Standard in
Good Assortment

Bare-Root—Packaged

Write for price list.

C. E. WILSON NURSERIES

Box 400 Jacksonville, Tex.
Phone: 4117

1960 GARDEN MUMS

for
Spring Blooming Pots

Container Growing

Catalog - Nursery - Florist
Merchandising

CUNNINGHAM GARDENS, INC.
Waldron, Ind.

.... GOOD ROOTS GOOD TOPS

A few GULF STREAM choice items

	100	1000
3000 <i>Clematis paniculata</i> , 2-yr., No. 1	\$30.00	\$250.00
10,000 <i>Cornus alternifolia</i> , 1-yr., 15 to 18 ins.	10.00	90.00
8000 <i>Cornus mas</i> , 1-yr., 15 to 18 ins.	10.00	90.00
10,000 <i>Cotoneaster acutifolia</i> , 1-yr., 18 to 24 ins.	8.00	75.00
2500 <i>Hamamelis vernalis</i> , 1-yr., 8 to 10 ins.	9.00	80.00
3500 <i>Hamamelis vernalis</i> , 2-yr., 18 to 24 ins.	10.00	90.00
10,000 <i>Magnolia kobus</i> , 1-yr., 12 to 15 ins.	12.00	100.00
5000 <i>Rhodotypos kerrioides</i> , 1-yr., 8 to 10 ins.	7.00	60.00
3500 <i>Rhodotypos kerrioides</i> , 2-yr., 10 to 12 ins.	8.00	75.00
3500 <i>Stewartia pseudocamellia</i> , 1-yr., 18 to 24 ins.	25.00	225.00
10,000 <i>Tilia cordata</i> , 1-yr., 15 to 18 ins.	12.00	100.00
10,000 <i>Viburnum carlesii</i> , 1-yr., 12 to 15 ins.	22.50	200.00
18,000 <i>Viburnum dentatum</i> , 1-yr., 12 to 15 ins.	9.00	80.00
4500 <i>Viburnum dilatatum</i> , 1-yr., 15 to 18 ins.	9.00	80.00
10,000 <i>Viburnum setigerum</i> , 1-yr., 12 to 15 ins.	15.00	125.00
5000 <i>Viburnum sieboldi</i> , 1-yr., 12 to 15 ins.	15.00	125.00

Write for complete Price List

JACQUES L. LEGENDRE
PRESIDENT

LESTER C. LOVETT
VICE-PRESIDENT

ROBERT H. TALLEY, JR.
SECRETARY

ONANCOCK
Phone SUNSET 7-1421

GULF STREAM NURSERY INC.

WACHAPREAGUE, VIRGINIA

than is now the case. I agree with him also when he says that they are easier to handle than most buttercups and that they are not so aggressive as some.

Even though few buttercups grow in today's gardens, gardeners who remember them from former days or have read the endearing remarks of old-time gardeners about them have a great longing for the plants. I find several remarks in my notes which testify to the truth of that statement. A note in one of the 1939 books, for instance, reads as follows:

"A few specimens grown from seeds marked *Ranunculus aconitifolius grandiflorus* (they differ in no way from the type, so far as I can see) attracted as much attention as any plant in the garden this June. And why should that not be true? They are not spectacular, to be sure, but their shining white buttercups, to an inch across, on 20-inch or taller stems, over tufts of pretty, monkshood-like leaves, make a splendid picture in the partial shade that suits the plants.

"Given a leafy soil in part shade, the plants will pleasantly surprise the gardener who thinks that all buttercups, except the weedy ones, have to have an abundance of moisture to do well. They are better, of course,

ALDRIDGE NURSERY

VON ORMY, TEXAS

Wholesale Nursery Stock

Complete line of container and field-grown ornamentals

● Better Quality

● Better Value



when they have plenty of water, as in a moist woodland, but they will put up a creditable performance under ordinary garden treatment.

"There is a double-flowered form, known to gardeners as white bachelor's-button, which makes a good cut flower. In the latitude of 40 degrees north, it should bloom at the end of May, making it a good cut flower for Memorial day. The type may be grown from fresh seeds, planted in the fall, and all may be grown from divisions."

Northland Daisies

A Minnesota reader writes that he recently read a lavish praise of northland daisies in an old amateur garden magazine, and saw an advertisement listing several good color

varieties. Because he is new in the trade he knows nothing about these plants and would like to have some information.

The varieties known in 1937 are seldom seen today, and I did not find them in any of the catalogs consulted after receipt of this letter. Some eastern growers may still have them hidden away in their nurseries. Today the newer Korean hybrids have largely taken the place of the older varieties. But neither the Koreans nor northland daisies are too satisfactory in a northern climate because few of them bloom much before October 5 to 10, too late for the short-season northern climate. Among the original northland daisies (hybrids of *Chrysanthemum arcticum*), a northern grower might try Brunhilde,



Ships Your Order ON TIME

Modern growing, digging, handling and shipping methods means *no lost sales* due to late shipments. Ozark is geared to supply the largest or smallest order in "jig time." Just name your requirements, varieties and quantities . . . Ozark does the rest.

**WEEZ ALL WORE
OUT FROM
WORKIN' TO GET
SHIPMENTS OUT
ON
TIME!**

**WRITE FOR OZARK'S
WHOLESALE
CATALOG**

Showing the hundreds
of Ozark grown
items. Do it
today!

**OZARK NURSERY CO.
TAHLEQUAH, OKLAHOMA**



DOUBLE-FLOWERING PEACH

	Each Per 10	Each Per 100
2 to 3 ft., B.R.	\$0.45	\$0.35
3 to 4 ft., B.R.	.55	.45
4 to 5 ft., B.R.	.65	.55
5 to 6 ft., B.R.	.75	.65

- Excellent Root System
- Quality and Quantity
- Clean Trunks
- Branched

Colors: Red, White, Pink and
Peppermint Stick.

Cash with order, please.

Fall or spring delivery.



which has long, pink-tinged, bronze petals, and Siegfried, which is of a rich yellow.

Lewisia Rediviva

Of all the lewisias, *L. rediviva*, the bitterroot of the west, is the most reliable in eastern gardens, according to rather extensive trials in my garden. But even this plant has a tendency to die out in time, so one should have a fresh supply coming on at 2 or 3-year intervals.

If everything about the plant is considered, it is surprising that so few gardeners outside its western range have ever seen the plant and fewer still have grown it. That will seem doubly strange to all who have grown it, know of its ease of culture and have admired the beauty of its spectacularly large flowers.

L. rediviva grows naturally from the eastern Rockies to the coast, its color varying from pink through rose to white, always producing a rather meager tuft of portulaca-like leaves, from which spring the quite stemless flowers, reminding one of a water lily. It has been my experience that stock from the eastern Rockies (Montana, to be exact), is the most reliable in the east. Fortunately, the plant has always been white flowered in my trials which, incidentally, is the most pleasing to me. In my trials fall-sown seeds, if fresh, germinated almost 100 per cent. The plants were quite permanent in my light, sandy soil in full sun. It should be added, though, that the leaves completely disappear about flowering time and cannot be seen again until fall.

A Yellow Regal Lily

Last summer I saw and admired again the new yellow regal lily, Royal Gold. I should like to tell a little about it, in case it should have been overlooked. Described by the originator as a "true-breeding mutation of the regal lily," it is of greater value to gardeners than this scientific jargon implies. When the ordinary regal lily, in all its glory and with all its good points, including ease of culture and sureness of blooming under average garden conditions, is replaced by one of golden-yellow color with a glistening surface, one of the most attractive lilies of recent introduction results, in a period when good, new lilies are coming on the garden scene more rapidly than ever before.

Erigeron Aureus

In a recent letter, an Illinois correspondent reports dissatisfaction with one of my old friends, *Erigeron aureus*. He says the flower's color does not come up to my description

DWARF APPLES

2 and 3-year-old—wonderful root system.

On No. 2—Cortland; McIntosh; Northern Spy; Red Delicious; Red Melba; Wealthy; Yellow Delicious.

On No. 7—Close; Cortland; Lodi (Improved Yellow Transparent); McIntosh; Northern Spy; Red Delicious; Red Melba; Red Jonathan; Stayman Winesap; Yellow Delicious.

On No. 9—Close; Cortland; Lodi; McIntosh; Northern Spy; Red Delicious; Red Melba; Yellow Delicious.

Montmorency Cherries—from virus-free stock—all sizes—beautiful trees.

Write for price list today.
You can't beat our prices or the quality of our stock.

WANTED—50,000—8-in. heavy hardwood cuttings (winter delivery) *Salix purpurea* nana; *Lonicera zabeli*.

BROOKDALE-KINGSWAY NURSERIES

Bowmanville, Ont., Canada

WE OFFER . . .

Our General Line of SMALL FRUIT PLANTS

Let us quote on your
requirements.

L. J. RAMBO'S WHOLESALE NURSERIES
Bridgman, Michigan

SMALL FRUIT PLANTS

Grapes

Currants

Berry Plants

Write for Wholesale Price List

FOSTER NURSERY CO., Inc.
69 Orchard St. FREDONIA, N. Y.

Ornamentals At Wholesale

CHASE NURSERY CO., INC.
Chase, Ala.

MORNING STAR NURSERY

Rives, Tennessee
Wholesale Growers:
Evergreens, Trees
Deciduous Shrubs, Roses
Send us your want list.

SHADE TREES

	Per10	Per100
Acer dasycarpum (Silver Maple)		
Also known as Soft Maple. It's a rapid-growing tree.		
5 to 6 ft., well-br.	\$ 6.00	\$ 50.00
6 to 8 ft., well-br.	8.00	75.00
8 to 10 ft., well-br.	12.00	100.00
10 to 12 ft., well-br., 1 1/4 to 1 1/2-in. cal.	15.00	125.00
10 to 12 ft., well-br., 1 1/2 to 2-in. cal.	20.00	175.00
12 to 14 ft., well-br., 2 to 2 1/2-in. cal.	25.00	225.00
	Per10	Per100
Acer platanoides (Norway Maple)		
3 to 4 ft., T.	\$ 8.00	\$ 70.00
4 to 5 ft., T.	11.00	100.00
5 to 6 ft., T.	15.00	125.00
6 to 8 ft., 3/4 to 1-in. cal.	25.00	200.00
8 to 10 ft., 1 to 1 1/4-in. cal.	30.00	250.00
10 to 12 ft., 1 1/4 to 1 1/2-in. cal.	35.00	300.00
	Per10	Per100
Acer rubrum (Native Red or Scarlet Maple)		
4 to 5 ft., br.	\$10.00	\$ 90.00
5 to 6 ft., br.	12.50	110.00
6 to 8 ft., br.	15.00	125.00
Acer saccharum (Native Sugar or Hard Maple)		
4 to 5 ft., br., T.	15.00	125.00
5 to 6 ft., br., T.	17.50	150.00
6 to 8 ft., br., T.	22.50	200.00
8 to 10 ft., br., T.	35.00	300.00

	Per10	Per100
Quercus palustris (True Pin Oak)		
One of the best shade trees known.		
3 to 4 ft., br.	\$ 6.00	\$ 50.00
4 to 5 ft., br.	11.00	100.00
5 to 6 ft., br.	17.50	150.00
6 to 8 ft., br.	22.50	200.00
Ulmus americana (American Elm)		
3 to 4 ft., br.	4.00	35.00
4 to 5 ft., br.	6.00	50.00
5 to 6 ft., br.	7.00	60.00
6 to 8 ft., br.	8.00	75.00
8 to 10 ft., br.	12.50	100.00
Ulmus pumila (Chinese Elm)		
5 to 6 ft., br.	7.00	65.00
6 to 8 ft., br.	10.00	75.00
8 to 10 ft., br.	15.00	100.00
Platanus occidentalis (Plane Tree, Sycamore American)		
4 to 5 ft., br.	6.00	50.00
5 to 6 ft., br.	7.50	60.00
6 to 8 ft., br.	10.00	75.00
8 to 10 ft., br.	12.50	100.00
10 to 12 ft., br.	17.50	150.00
Liriodendron tulipifera (Tulip Tree)		
4 to 5 ft., br.	6.00	50.00
5 to 6 ft., br.	7.50	65.00
6 to 8 ft., br.	10.00	85.00
8 to 10 ft., br., 1 to 1 1/4-in. cal.	15.00	125.00

3% discount and free boxing and packing allowed where cash accompanies order.

BOYD NURSERY CO.

McMinnville, Tenn.

in some notes on the plant he read in this column a few years ago. As he does not refer to the issue in which these notes appeared, I am unable to check what I said about it, but I must have been thinking about one thing and writing about another if I said all forms of *E. aureus* were equally desirable. What I should have said is something like this:

Fleabanes vary in many ways, so that it is unsafe to make positive statements about any of them until one has all available evidence in his possession. A poor form of *E. aureus*, for example, is very drab, with small, dull yellow flowers; a good form, however, makes a glorious showing, being made up of gray, hairy leaves, an inch or two long, narrow and pointed at the tips. These form a neat clump from which rise stems reaching a height of two to four inches, bearing a bright yellow daisy, an inch or so in diameter.

All of this combines to make a truly lovely plant in the hands of a careful gardener. He need not be too careful, either, for this is a western alpine which seems to be able to adapt itself to lowland conditions without too much fussing on the gardener's part. I find a note in one of my old field books to the effect that the plant did well in my trials in a scree soil (sand and gravel with peat

ABELIA GRANDIFLORA

20 to 26 ins.

Extra-bushy plants, three years in the field and perfect for any job. They are not "leggy" or "heady" but thick from the ground up. A sample will be sent for inspection.

BIG RIVER NURSERY

Dundee, Miss.

Phone: 572 R4, Tunica, Miss.

VERHALEN NURSERY
Company.
SCOTTSDALE • 12140 HARRY HIMES BLVD.
TEXAS • DALLAS, TEXAS

Your Profits Grow in Verhalen Plants

and leaf mold added to insure some nourishment and moisture retention) of slight acidity, in a spot that was lightly shaded during the middle of the day.

Hanson's Lily

To the New York reader who inquired about *Lilium hansonii*, may I suggest that he give it a trial, remembering that it is one of the early bloomers, needing care when late frosts threaten. My appraisal of its garden value would be something

like this: Easy-going, long-lived, it is one of the better kinds for the beginner in lily culture and good enough for the advanced lily enthusiast. Its only drawback, as I mentioned before, is the possibility of damage from late spring frosts. If that is taken care of, about the third week in June should bring the reward in the form of quite large, brown-spotted flowers of yellow and good substance. It did well in my trials in a leafy soil in part shade, planted six to eight inches deep. It has to be

PINK DOGWOOD

Cornus florida rubra

	Each	Per 100
6 to 12 ins., 1-yr.	\$0.40	\$0.35
12 to 18 ins., 1-yr.	.50	.45
18 to 24 ins., 1-yr.	.60	.55
24 to 30 ins., 1-yr.	.85	.75
30 to 36 ins., 1-yr.	1.00	.90
2 to 3 ft., 2-yr.	1.25	1.15
3 to 4 ft., 2-yr.	1.50	1.40
4 to 5 ft., 2-yr.	2.50	2.25
5 to 6 ft., 2-yr.	3.50	2.00

White-Flowering Dogwood

Cornus florida (2-yr.)

4 to 5 ft., br.	1.25	1.00
3 to 4 ft., br.	.90	.60
2 to 3 ft., br.	.50	.40
18 to 24 ins., br.	.30	.20
12 to 18 ins., br.	.15	.10

Flowering Crab Apple

Eleyi and Hoppla

2 to 3 ft., 1-yr., whips	.30	.25
3 to 4 ft., 1-yr., whips	.35	.30
4 to 5 ft., 1-yr., whips	.45	.40
3 to 4 ft., 2-yr., br.	.45	.40
4 to 5 ft., 2-yr., br.	.60	.50
5 to 6 ft., 2-yr., br.	.75	.65

(for Almey, add 10c a tree.)

(Add 50c extra for balled-and-bur-lapped plants.)

Flowering Peach

(Red, White, Pink and Peppermint)

12 to 18 ins.	.15	.13
18 to 24 ins.	.25	.20
2 to 3 ft.	.30	.25
3 to 4 ft.	.35	.30
7/16 to 9/16-in. cal.	.40	.35
9/16 to 1 1/16-in. cal.	.45	.40

Write for special prices on quantity lots. 500 at 1000 rate.

CHOCOLA NURSERY
Winchester, Tenn.**JUNIPER GRAFTS**

Specimen Evergreens

Moraine Locust

1 and 2-Yr. Tops

Heavy Shrubs

Wilt-Pruf

SNEED NURSERY CO.

P. O. Box 798

Oklahoma City 1, Okla.

TREE SEED

Colorado's finest Concolor Fir, Douglas Fir and Blue Spruce.

Quantities Limited

San Isabel Seed Co.

Silver Cliff, Colo.

1960 A. A. C. S. Winner

SPARKLING BURGUNDY

(Plant Pat. No. 1539)

A hardy Sasanqua of rare beauty.

CASADABAN'S NURSERIES

Abita Springs, La.

TAYLOR'S ENCYCLOPEDIA of GARDENING
By Norman Taylor 1,225 pages, illustrated
\$7.50, postpaid.
American Nurseryman, 343 S. Dearborn St., Chgo. 4

propagated from divisions, an easy process, or from scales. It does not, so far as I know, ever produce seeds but it is said to cross readily with *L. martagon*.

Day Lily High Noon

In answer to a correspondent who writes he has heard flattering reports on the day lily High Noon and asks whether I know it, I can say that I have observed it in the plantings of a day lily specialist during the past three years and report thusly:

Although I try to tell myself that the size of a flower has no influence on me when I appraise the worth of a day lily, whenever I see High Noon, its 5-inch blooms are the first thing that attract my attention. The breadth of the petals (a breadth which makes for a well-rounded flower, a character needed by a day lily flower to satisfy me) heightens the appeal. Finally, a rich orange color completes the picture of one of the most attractive day lilies of modern vintage. A height of three feet, or more (usually more under good culture), adds the finishing touch.

SUBWAY WON'T GROW TREES

A crew from the Kings county nursery, with trucks containing 17 ginkgo trees to beautify Montague street, Brooklyn, N. Y., was bewildered when their pneumatic drill penetrated the pavement and disclosed, not black soil, but a BMT subway station below. Moving down the street, they tried again, but with the same result.

The head of the nursery produced a parks department permit and said he had been assured there was five feet of soil between the pavement and the subway. A spokesman for the parks department said the permit had been issued after assurance by the transit authority there was that five feet of soil. A transit authority spokesman said it had been asked only a general question about soil between the subway and the pavement, without mention of specific points. In general there was five feet of soil, but at certain points there was only a 6-inch slab of reinforced concrete.

The latter was the case in front of the shop of James Weir Florists, 160 Montague street. Bernard Atkins, president of the firm, said he had spent four months talking his fellow merchants on the street into putting up \$40 each for the 17 trees. "We are the only street in the neighborhood without trees, and now this happens!"

And a pretty girl supplied with

SPECIAL OFFER NO. 1

We offer for immediate or later shipment 10,000 tree seedlings, flowering shrubs, vines and evergreens. All good lining-out plants of our own selection, consisting of 10 or more varieties for only \$99.00.

Order today while this offer lasts.

O. H. PERRY NURSERY CO.
Box 545 McMinnville, Tenn.**NURSERY STOCK**

500,000 Native Ferns	Per 1000
Christmas Fern	\$15.00
Marginal Shield Fern	20.00
Royal Fern	20.00
Maidenhair Fern	15.00

500,000 Amur River South Privet, hedge plants, 2-yr., S.	Per 1000
6 to 30 ins.	\$4.00
200,000 Acer saccharum (Sugar Maple), 12 to 24 ins., S.	15.00
Vine minor, clumps, 10 to 20 stems or leads	25.00

NOLERIDGE NURSERIES

P. O. Box 26 McMinnville, Tenn.

MEYER LEMON TREES

3 ft. high, field-growing, with lemons, \$2.50 each. See at our nursery; we do not ship.

MALBIS NURSERIES

Daphne, Ala.

12 miles east of Mobile on U. S. Highway 90.

DE GROOT BULB CO.

HOLLAND AND DOMESTIC BULBS

for Spring and Fall

12-02 Ellis Ave., Fair Lawn, N. J.

Telephone: SWarthenmore 6-6025

CRIMSON DALE NURSERY

Pink Dogwood a Specialty

Winchester, Tenn.

Phone: 2531

**AZALEAS**

Broad-leaved Evergreens and a general line of quality ornamentals.

THE TANKARD NURSERIES

EXMORE, VA.

EVERGREEN GRAFTS

\$50.00 per 100; \$450.00 per 1000

Write for variety list.

NELSON NURSERY

1309 S. Van Buren, P. O. Box 1162 Enid, Okla.

CHINESE CHESTNUT TREES

Seedlings only of the Peter Lul strain, 1-yr. whips and 2-yr. branched, mostly Nanking progeny. Also, properly stored weevil-free seed nuts. Our low costs of production permit low quantity prices. Inquiries invited.

LEELAND FARMS

Leesburg, Ga.

an orchid standing by to officiate at the planting was disappointed, too.

P. S.: A subsequent article in a New York newspaper stated that the tree-planting project is being resumed with 15 of the 17 original trees being planted. Unfortunately, Mr. Atkins, the originator of the project, cannot have a tree.

MICHIGAN MEETING

Members of the Michigan Association of Landscape Architects met at Ann Arbor, Mich., November 12 for their third general meeting of the year. The meeting was held in the Union building on the campus of the University of Michigan.

Kenneth Wanty, campus landscape architect, welcomed the membership and discussed the varied problems and achievements of the landscape development program at the university as the campus expands. Governing bodies of institutions such as the U. of M. are beginning to realize the importance of the landscape architect's role in planning new and improving existing facilities, he stated.

Carl Cerlech reported on the progress of registration for landscape architects in Michigan during a short business meeting held during lunch in the Union building.

After lunch, William Johnson, associate professor at the University, discussed "Design and Presentation." Mr. Johnson pointed out the necessity of determining the basic requirements of a project as the basis of good design. The most difficult job of the designer, he felt, is to communicate his solutions to the client, and this is the area where presentation can bridge the gap. Mr. Johnson concluded his talk by demonstrating several outstanding methods of presentation.

A field trip of the Ann Arbor area concluded the day's activities. The trip included the Arborcrest cemetery, the north campus and several private homes. Prof. H. O. Whittemore, Kenneth Wanty and Kenneth Runciman handled the details of arranging this outstanding program.

Don Vander Veen, Jr., Sec'y.

SCHOLARSHIP WINNER

Hiram J. Emerson, Lisbon, Ia., an Iowa State University senior majoring in nursery management, is this year's winner of the \$600 scholarship awarded annually by the Henry Field Seed & Nursery Co., Shenandoah, Ia. Recipients of this award must be juniors or seniors majoring in horticulture or botany. Their

KRIEGER'S WHOLESALE NURSERY

P. O. Box 116, Phone: HOpkins 5-5522 Bridgman, Mich.

Originators and Growers of this fine Blackberry.

TRUE TO NAME
NO STERILE
PLANTS



BUY UNDER THIS
TRADE-MARK
AND BE SAFE

Blackberry

Ebony King, new, T.	10	100	1000
No. 1, R. C.	\$3.00	\$30.00	\$150.00

Red Raspberry

Latham, T.	100	1000
1-yr., No. 1	\$10.00	\$80.00
Durham, fall bearing, T.	8.00	65.00
1-yr., No. 1	10.00	80.00
Indian Summer, fall bearing, T.	8.00	65.00
1-yr., No. 1	10.50	85.00
1-yr., No. 1	8.50	70.00

Red Rhubarb

Canada Red, No. 1 Division	10	100
McDonald, No. 1 Division	\$3.50	\$30.00

Horseradish

Cuttings, 4 to 6 ins.	10	100
Whole Roots	\$1.00	\$4.50
Whole Roots	1.50	7.50

Gooseberries

Pixwell	10	100
3-yr., heavy	\$4.00	\$35.00
2-yr., No. 1	3.50	30.00
Houghton		
3-yr., heavy	4.00	35.00
2-yr., No. 1	3.50	30.00

Victoria Rhubarb

1 1/2 to 2 ins.	100	1000
1 to 1 1/2 ins.	\$12.50	\$100.00
3/4 to 1 in.	7.50	60.00
1/2 to 3/4 in.	6.00	45.00
1/2 to 3/4 in.	4.50	30.00

Asparagus

Washington	100	1000
3-yr., heavy	\$4.50	\$30.00
2-yr., No. 1	3.00	20.00
1-yr., No. 1	2.50	15.00

Blueberries

2-yr., 9 to 12 ins.	Each	10	100
3-yr., 12 to 18 ins.	\$0.40	\$3.50	\$32.50
4-yr., 18 to 24 ins., fruit buds ....	.55	5.00	47.50
5-yr., 24 to 36 ins., fruit buds ....	.75	7.00	67.50
5-yr., 24 to 36 ins., fruit buds	1.00	9.00	87.50

250 at 1000 rate.

Quantity prices upon request. All stock ready for immediate or future shipment.

RHUBARB

Chipman's Canada Red

First-grade divisions. Can ship any quantity any time. Inquire for prices.

C. D. WRIGHT

Hamburg, Iowa

EVERGREENS

100 acres of choice evergreens ready for sale.

Write for price list.

GRANT'S NURSERY

Rt. 2 Caledonia, Miss.

EVERGREEN GRAFTS

POTTED LINERS
CONTAINER STOCK

Ask for our latest list.

KENYONS NURSERY

Dover, Okla.

QUALITY STOCK GROWN BY US

Cherokee Chief Red-Flowering Dogwood (Plant Patent No. 1710)

Shade Trees, Flowering Trees, Evergreens, Broad-Leaved Evergreens.

Write for wholesale list.

HAWKERSMITH & SONS NURSERY

Tullahoma, Tenn.

THE GRAFTER'S HANDBOOK

By R. J. Garner

Covers almost every known method of grafting. Describes seedling and vegetative propagation of rootstocks, handling of scion wood, choice and use of tools. 260 p. Revised edition. (1958) \$5.75, postpaid.

AMERICAN NURSERYMAN

343 S. Dearborn St. Chicago 4, Ill.

CONCOLOR FIR SEED

New Crop Direct from Collector. \$4.00 per lb. Over 25 lbs. at 10% discount. Postage paid if payment with order.

WESTERN EVERGREENS

Rt. 1 Golden, Colo.



Spring Bulb List Ready
Packaged or Bulk

GILMORE PLANT & BULB CO.

Julian, N. C.

POTTED LINERS

Taxus Junipers

B&B sizes to trucks only.

HUMPHREYS LANDSCAPE SERVICE
MT. STERLING, KY.

America's Finest

ROSES

Contract Growing Invited

Leading Patented and Popular Varieties

Grown in our nurseries at Tyler, Texas, and Phoenix, Arizona

Write for Variety List

CARL SHAMBURGER NURSERY

P. O. Box 458

Tyler, Texas

qualifications are based on financial need, scholarship, character and leadership.

BREEDLOVE NURSERIES OCCUPY NEW BUILDING

The Breedlove Nurseries, Tyler, Tex., celebrated the grand opening of their new \$30,000 building with an open house October 23 to 25. The masonry and steel building, covering 6,200 square feet, holds a warehouse and sales office and a book-keeping and private office. It was built to replace the nursery's facilities lost in a fire last April. Partners in the business are Charles and Ray Breedlove, whose father, Ray Breedlove, Sr., founded the nursery 33 years ago.

During the open house days, prizes were given away every 15 minutes, among them a lawn mower, a gift certificate and an electric edger.

The nursery features a complete line of plants and supplies, as well as a garden shop in which indoor plants, insecticides, bulbs, tools, pottery and other accessories for outdoor living are sold. A lath house at the rear of the building is used to display plants.

The business is a family operation, Mrs. Rita Lynne Breedlove, wife of Charles, being secretary, and Mrs. Mary Breedlove, wife of Ray, Jr., secretary-treasurer. Salespersons in the nursery are R. T. Breedlove, an uncle of the partners; Mrs. Merle Breedlove, and Joe Goldstein.

WHOLESALE'S REPORT

Additional notes on the wholesale nurserymen's fall season, supplementing those published in the December 1 issue of the American Nurseryman, are offered by Henry N. Boyd, Boyd Nursery Co., in this report from McMinnville, Tenn.:

"Our fall business was about the same as that of a year ago. Though we had hoped for an increase that

TRAAS' NURSERIES

Langley, B. C.,
Canada

Clonal Rootstocks for Fruit Trees

Superior quality of the famous Malling and Malling Merton Apple rootstocks available in liners and transplanted stock.

Ask for descriptive trade list.

We will propagate on contract basis.

Our Botanical Experience Is Your Guarantee!

CHERRY LAUREL

	Each
2 to 3 ft.....	\$1.00
3 to 4 ft.....	1.25
4 to 5 ft.....	1.75

If anyone needs a really good Cherry Laurel for his trade, we do not believe that better plants can be found. They have been root-pruned and sheared, making them very thick, bushy shrubs. We will be glad to send a sample to interested parties.

BIG RIVER NURSERY

Dundee, Miss.

Phone: 572 R4, Tunica, Miss.

Quality stock plus pleasing service. Inquiries invited.
88th Year of Growing
Box 88-A Sherman, Tex.
TEXAS NURSERY CO.

CUMBERLAND VALLEY NURSERIES, INC.

Wholesale Growers of Dependable Fruit and Flowering Trees
Write for latest price list.
313 N. Chancery St.
McMINNVILLE, TENN.

PINK DOGWOOD LINERS

Silver Maple, Hall's Honeysuckle, Flowering Peach, Forsythia, Crab Apple, Fruit Trees, Poplar, Privet.

Write for trade list.

FLOWER CITY NURSERIES

Rt. 3

McMinnville, Tenn.

CANNED PLANTS

Build profits with Wight's container-grown evergreens. Wide assortment, including Ilex, Magnolia, Camellias, Pyracantha. Ask for wholesale list.

Wight NURSERIES CAIRO, GA.

would help us stay abreast of increasing operational costs, we did not get it, probably because of the strikes and other national setbacks. In fact, our orders were smaller than those of a year ago. Customers seem to be cautious — ordering only items that

they must have to fill current orders. "Our hopes are high for spring, especially if the strikes are over and factories and manufacturers can get to work again. The weather up to this time (November 17) has been ideal for shipment of early orders;

SPECIMEN PLANTS

**300 Acres
BROAD-LEAVED
EVERGREENS**

Overnight Delivery
Maryland, New Jersey,
Delaware, Pennsylvania

ALSO

**Quercus nigra
Quercus phellos
Quercus palustris**

Up to 3 1/2 to 4-in. cal.

**10,000 Ligustrum lucidum,
15 ins. to 3 1/2 ft.**

WINN NURSERY, INC.

6926 Granby St.
Norfolk, Va.

Phone: MA 7-3608

Established 1885

We Solicit Your
Inquiries.

Member of A. A. N.

TREE SEEDS

Conifers

We collect in the Lake States.
Also supply western and European
seeds.

**IRON MOUNTAIN
EVERGREEN CO.**

Iron Mountain, Mich.

FLORIDA - GROWN CITRUS

4-in. and 6-in. plastic pots.
Write for prices.

GOCHLAND NURSERIES, INC.

Pembroke, Fla.

COCOS AUSTRALIS PALM SEED

Good, clean seed, \$1.50 per lb.
F.O.B. our nursery.

MALBIS NURSERIES

Daphne, Ala.
12 miles east of Mobile on
U. S. Highway 90.

Mention The American Nurseryman when you write.

**Bamboo, Gardenias,
Figs, Shade Trees**

Write for Complete List.

McKEE'S NURSERY

P. O. Box 749
Covington, La.

we had two good frosts during the last part of October and a freeze in the first week of November. This enabled us to get some fall planting done in the second week of November."

SELL CHESMORE UNITS

The two retail stores of the Chesmore Seed & Nursery Co., St. Joseph, Mo., were recently sold to Ellary E. Bennett, president of the newly formed Bennett Garden Center, Inc. The Chesmore Seed Co., a wholesale business established in 1878, will continue to operate.

Mr. Bennett has been associated with Chesmore's since 1953 when the Chesmore Seed & Nursery Co. was organized, serving as vice-president and manager of the two retail stores. He is a past president and director of the Missouri State Nurserymen's Association; a director of the Central Turf Grass Association, Western Nurserymen's Association and Kansas State Nurserymen's Association, and a member of the St. Joseph Feed, Seed and Fertilizer Club.

Mr. and Mrs. Bennett, residents of St. Joseph since 1934, set up one of the two retail stores for the Chesmore Seed Co. and have been active in it ever since. The store, a complete farm and garden center occupying six acres of land, draws its customers from Missouri, Iowa, Nebraska and Kansas.

The company's vice-president is Webb E. Stevenson, a graduate of the school of agriculture, University of Missouri, while Mrs. Elvira G. Bennett is secretary-treasurer.

WESTS SELL AND MOVE

Billy West, West Flower Garden, Brookville, O., recently sold his entire business to Anthony Brown. Mr. West, who had operated his nursery for the past 22 years, moved with his wife to Lewisburg, O., where they have remodeled an old stone house located on about 50 acres of rolling land. A large lake on the property is surrounded by beautiful woodland.

The Wests will continue to grow perennials and peonies, but will not carry a general line of nursery stock. They will also continue to breed fine Persian cats, several varieties of pheasants, registered pigeons and peafowls for sale.

PLANS for a nursery business at Lima, Peru, are being made by David E. Bennett, Jr., and Aurora Bennett, who plan to move there in January.

now - SPHAGNUM PEAT MOSS IN BAGS

**READY
& EASY
TO USE**



Free-flowing —
no breaking up
needed

6 cu. ft. — bag size 52"
3 cu. ft. — bag size 42"

**DON'T PAY FOR WATER
DON'T BUY BY WEIGHT**

KING SIZE BAG

SEDGE PEAT

6 CUBIC FEET 4
72 sq. ft. COVERS 48 sq. ft.
40-50 lbs. WEIGHT 100 lbs.
14 to 20 times ... MOISTURE* ... 5 to 8 times
SPHAGNUM QUALITY SEDGE PEAT
PEAT MOSS
*Absorption based on Dry Weight

**CUBIC FEET—NOT WEIGHT
GIVES COVERAGE**

Heavy weight in sedge peat is due to
excessive moisture

SPHAGNUM PEAT MOSS

does more—does it better

SPHAGNUM — less decomposed — lively —
lasts longer.

SPHAGNUM — like millions of light-weight
sponges — absorbs more.

SPHAGNUM — lively organic — gives better
root growth — preferred by professionals.

Poly-laminated inside & outside
Can be stored outdoors

Can be shipped in combination with
other Premier bales and packages.

PREMIER ^{SPHAGNUM} PEAT MOSS

Costs less per cubic foot

(tear and mail)

PREMIER PEAT MOSS CORP.
535 Fifth Ave., New York 17, N. Y.
Phone: MUrray Hill 2-8586
Please send prices and details on
King Size Bags

Name

Street

City State



CALIFORNIA ASSOCIATION OF NURSERYMEN

ELMER J. MERZ, Executive Secretary

304 MITAU BUILDING

SACRAMENTO 14, CALIF.

LOS ANGELES CHAPTER

The Los Angeles chapter of the California Association of Nurserymen held a meeting November 18 at Henry's restaurant, Arcadia, Calif. After the introduction of guests, Norman A. Springer, Bandini Fertilizer Co., announced that the chapter Christmas party would be held December 8 at the Los Coyotes Country Club, Buena Park.

A list of flowering trees recommended for street planting by Los Angeles Beautiful was given to members by James C. Perry, Perry's Plants, Montebello, immediate past president of the C. A. N. He hoped that the members would avail themselves of the suggested varieties when buying and selling trees.

Don Woolley, Los Angeles County Arboretum, presented the plant forum, showing pictures of various types of eucalyptus and bottle-brushes. President Chuck Vogels, Chuck's Nursery, Covina, then stressed the importance of members' attending the meetings of other chapters, not only to represent the Los Angeles chapter, but to gather new ideas and to increase acquaintanceships in the nursery field.

Vice-president Carl Zangger, Perry's Plants, Montebello, introduced the speaker, Dave Gilfillan, garden editor of the Independent Star News, Pasadena. After a brief introductory talk, Mr. Gilfillan showed slides and a film taken during a tour of Hawaii arranged by him for the Independent Garden Club of Pasadena.

Jim Meadows, Sec'y.

REDWOOD EMPIRE CHAPTER

November 10, 40 members and guests of the Redwood Empire chapter of the California Association of Nurserymen gathered at Chef Cardini's, Glen Ellen, for the regular business meeting. Hugh Wallace, West End Nursery, San Rafael, chapter secretary, reported writing to the Superior chapter president with regard to the January joint meeting.

President Richard Lackey, Lackey's Nursery, Napa, read a letter from Jack Wick, C. A. N. assistant executive secretary, requesting the chapter's aid in gaining new mem-

bers. It was suggested that a list of prospective members be compiled from the nursery directory and that a local member be appointed to help the state office make personal visits to these prospects. The following were asked to help: Harold Prickett, Prickett's Nursery, Santa Rosa; Don Perry; Karl Untermann, West End Nursery, San Rafael; Robert Cudaback, Cudaback's Nursery, Napa, and Henry Martin, Henry Martin's Nursery, Sebastopol.

A motion was made and passed that the Redwood Empire chapter make a bid to sponsor the 1962 state convention. No details were discussed. Henry Martin reported on an article in the September American Home magazine that gave excellent information on shade trees.

Karl Untermann; Ruth Cullen, Cullen's Rincon Nursery, Santa Rosa; Richard Lackey, and Hugh Wallace displayed plants on the

plant table. After Ruth Cullen announced that the Christmas party would be held in the San Rafael area, President Lackey raised the subject of the proposed constitution and bylaws, a copy of which had been mailed to all members. Considerable discussion on these proposals resulted in their being sent back to committee for more changes.

Introduced at the conclusion of the business meeting, the guest speaker for the evening was Dr. Richard Harris, University of California, Davis. Speaking on the "Nursery Stake in Landscape Horticulture," Dr. Harris described several research projects now being carried on by the university.

Hugh Wallace, Sec'y.

SAN DIEGO CHAPTER

The Park Manor hotel, San Diego, Calif., was the site of the November meeting of the San Diego chapter, California Association of Nurserymen. On entering, members viewed samples of the new Bermuda grasses, including Tiffgreen, Ormond and U-3; Alta fescue, and Uganda displayed by the Circle-R ranch, located north of Escondido. All of the samples, from plantings made in September, were still green, though

Stribling's 5 Varieties
of WALNUT TREES
... Always in Demand!

East or west, commercial growers prefer Stribling's walnut trees because it's the stock they can count on—from vigorous yearlings through heavy-bearing maturity.

Varieties ready for shipping now include choice Hartleys, Eureka's, Paynes, Franquettes—and the remarkable newcomer Drummond.

Write today for Free Wholesale Price List.

Stribling's
NURSERIES INC.

Highway 99 North P. O. Box 793 Merced, Calif. RAandolph 2-4106

the average temperatures at the ranch are lower than those at San Diego. A sample of common Bermuda grass, already brown, was included for contrast.

President Moto Asakawa called the meeting to order and disposed of several items of business before calling on Vice-president Humphrey Lane to introduce the guests present. A motion that the chapter hold a Christmas party on December 17 was seconded and carried. "Red" Murphy, chairman of the publicity committee, was commended for answering gardeners' questions for the Pacific Beach Sentinel in addition to performing the same service for the Sunday Union.

President Asakawa then turned the meeting over to the guest speaker, Seward Bessemer, University of California farm adviser for flower and nursery crops, who spoke on "Bacterial Fungus of Ivy Ground Covers." (Mr. Bessemer's talk will be reported in a later issue of the American Nurseryman.)

Ada L. Perry, Sec'y.

MONTEREY BAY CHAPTER

The November meeting of the Monterey Bay chapter, California Association of Nurserymen, was held at the Tom Tom restaurant, Salinas. President Marion Sloan, Sloan's Nursery, Santa Cruz, called the meeting to order and read a letter of thanks and acceptance from James D. Bishop, who was recently named the first honorary lifetime member of the chapter.

The meeting was then turned over to Louis Olave, Hollister Garden Shop, Hollister, who explained the collection service offered by the C. A. N. Through this service, the state association will take over any delinquent accounts referred to it by a member nursery, sending out letters to the accounts and charging a fee of approximately 20 per cent of the amount collected. The service does not include going to court to force payment. Regarding the new dues assessment, he pointed out that associate members would be assessed as well as regular members.

Vice-president Clayton Pleiman, Tempo Landscape & Garden Service, Pacific Grove, who is in charge of programs for the current year, introduced Sherman Hardy as speaker for the chapter's first "gadget" period. These brief, 2-minute talks on a timesaving device, preparation or process will be a regular program feature.

Mr. Hardy demonstrated Terr-O-Vite wetting agent, using two

Rose News

from

Constance ELMER

Introducer of World Famous

"CARROUSEL"

MY PERSONAL MESSAGE TO YOUR GOOD CUSTOMERS.

Look at your calendar. It is time to start digging holes for new roses you plan to buy this bare-root season, just a few weeks ahead. Preparation is as thrilling as placing of new plants, for they want a generous spot at least 12x16 ins. The roots love freedom—as do your toes in your shoes.

Yes, Christmas is so close. A rosebush is a beautiful gift—a living, loving reminder of the one who gave.

Connie

CARROUSEL —First of the grandifloras. The red rose that thrills everyone, for it is happy in all areas, hot or cold, and free from disease. This rose has earned its high rating of 9.0. Yes, Carrousel comes in Climbing form too—with very long, strong canes and worlds of bloom.

LITTLE DARLING —So truly named . . . brilliant sunset. Give this rose space. It loves to be bushy and produces long stems which love to be free. We believe this is the loveliest of all floribundas. It is almost perfect.

LADY LUCK —Not just another pink hybrid tea rose, but a very soft, warm pink—almost transparent at times—with (dare I use the word "exotic"? I dare!) the most exotic perfume. This rose brings reports from many areas—Chicago to Albuquerque—that both intense heat and cold keep this rose happy. It is excellent.

Constance Elmer's Top-Quality

BUSH ROSES

Grown in northern California's smog-free San Joaquin, these heavy, well-branched plants, with vigorous root systems, are selected only from the finest varieties of leading rose breeders of the world. Rigorously graded and handled with extra care.

WRITE or WIRE for Newest Price List

ELMER ROSES

6708 N. San Gabriel Blvd., San Gabriel, California

DID YOU KNOW?

That there are over 150 varieties of English Holly (*Ilex aquifolium*).



SHERWOOD NURSERY CO.

Evergreens - PROPAGATORS AND GROWERS

WHOLESALE
Corbett, Ore.

ORNAMENTAL WOODY PLANTS AND ROSES

Write for our lists.

W. B. CLARKE & CO.

P. O. Box 343 SAN JOSE, CALIF.

Rhododendron Liners • Hardest Camellias
Northern California Crown Dormant Roses
Azaleas • Pinks • Hollies • Lilacs • Skimmia

DESCANSO NURSERIES

Wholesale Growers

12492 Pipeline Ave. Chino, Calif.

MAHONIA AQUIFOLIUM

(Oregon-Washington
Holly-Grape)

2-yr., S., field-grown,
row-run,

\$7.00 per 100;

\$60.00 per 1000

Place Your Order Now for
Fall, 1959, or Spring, 1960,
Delivery

Chenoweth's
MOUNT VERNON
NURSERY
Mount Vernon, Wash.

MILTON NURSERY CO.

Since 1878
MILTON-FREEWATER, ORE.

Flowering, Ornamental, Shade
Trees and Shrubs, Fruit Trees,
Fruit Tree Seedlings and Angers
Quince Rooted Cuttings.

Licensed Growers of
Moraine Locust (Pat. No. 836)
Shademaster Locust (Pat. No. 1515)
Sunburst Locust (Pat. No. 1313)
Crimson King Maple (Pat. No. 735)

Send for Our Price List

Our combination carlots for east-
ern distributing points during
shipping season save freight costs.

DOTY & DOERNER, Inc.

6691 S. W. CAPITOL HIGHWAY
PORTLAND 19, OREGON

WHOLESALE
GENERAL NURSERY STOCK

Steele's New • Enlarged • Revised
1958 Handbook of

PANSY CULTURE only **50c**

Steele's Pansy Gardens, Inc.

P. O. Box 4555

2715 S. E. 39th Ave. Portland 2, Ore.

glass jars of water with a few hand-
fuls of peat moss in each. When
Terr-O-Vite was added to one of
the jars, the peat moss was quickly
penetrated by the water and sank
below the surface, whereas the peat
moss in the other jar remained on
top of the water, no matter how
much the jar was shaken.

Vice-president Pleiman added that
he had great success with this treat-
ment in getting water to penetrate
the sand soil on Carmel Point during
a recent landscape job.

Guest speaker for the evening was
Kenneth Tweedy, Watsonville, who
spoke on pre-emergence weed con-
trols. (This talk will be reported
in a later issue of the American
Nurseryman.) Under the heading of
new business, uniforms for C. A. N.
member nursery employees were dis-
cussed. It was announced that the
Oakland Towel Co. will supply light
blue uniforms with the C. A. N.
emblem on a shoulder free of
charge. Member nurseries will pay
only for additional insignia, such as
employees' names, and for cleaning.
Mr. Hardy added that the company
was quoting 79 cents per cleaning.
Bruce Stone was appointed to con-
tact the local supplier.

It was then announced that the
Christmas party would be held De-
cember 10 and that the guest speaker
at the January meeting at Watson-
ville will be Al Pettler, Pettler Ad-
vertising Agency, who will speak on
the spring promotion for 1960.

Sue Mell, Sec'y.

SUPERIOR CHAPTER

The November meeting of the Su-
perior chapter of the California As-
sociation of Nurserymen was held at
the Town House restaurant, Sacra-
mento, November 18. Speaker for
the evening was Mr. Breech, assist-
ant chief of the bureau of plant
quarantine, California department
of agriculture. He told of a number
of unusual incidents that occurred
in connection with his work and ex-
plained that plants are carefully in-
spected.

John Bingmore, Goldenstate Linen
Service, talked about his firm's ser-
vice in supplying nursery employees
with uniforms, while H. Harnichal, a
representative for PAX crab grass
control, talked about this product
and answered questions. S. G.

CELEBRATING its grand open-
ing at a new location was Sun Val-
ley Nursery, Inc., which recently
moved from 17919 to 15801 Ventura
boulevard, Encino, Calif.

CONTAINER STOCK



You can be sure of receiving the
well-grown plants that you would
expect when you order from our
complete line of container-grown
ornamentals—trees.

SEND FOR CATALOG

For California's Finest Container-
Grown Nursery Stock It's

SELECT NURSERIES, Inc.

12831 E. Central Ave.

BREA, CALIF.

JASper 9-3711—OWen 7-7268.

FIRST CHOICE

... for consistently finer
Yakima Valley grown nursery
stock. ... since 1909.



Jan de Graaff's

OREGON BULB FARMS

P. O. Box 512

GRESHAM, OREGON

Lilies

Daffodils

SEEDS

Collectors of Tree, Shrub and
Wild Flower Seeds

Crude Drugs and Ornamentals

E. C. MORAN, Stanford, Mont.



At the Top of the Best Seller List . . .

BURPEE'S HYBRID TOMATOES

BIG BOY® Giant Hybrid

Largest of all Burpee hybrids, with fruits as heavy as 2 lbs., yet perfectly smooth and firm. Scarlet-red color, thick walled, bright red meaty flesh and outstanding flavor. At peak performance in midseason, although large fruits are produced late when many standard varieties decline in yield and size.

BIG EARLY

Very early producer (62 days) of big, very smooth, bright scarlet fruits up to 1 lb. Thick walled, deep red flesh, extremely firm. A particularly vigorous producer.

Burpee's
BIG BOY®
Giant Hybrid

ALL BURPEE HYBRID VEGETABLES GIVE TOP PERFORMANCE

Cantaloupes • Zucchini • Cucumbers • Eggplant

FREE TEST QUANTITIES ON REQUEST

A free copy of Burpee's 1960 catalog of special wholesale prices for commercial growers is yours on request.

W. ATLEE BURPEE CO.

Wholesale Seed Growers
Philadelphia 32, Pa. Clinton, Ia. Riverside, Calif.

ARBORISTS MEET

A meeting of the California Association of Arborists was held November 18 at the office of the San Mateo county commissioner of agriculture, Redwood City. Attendance was down, and those who were there report that the demand for pruning and other tree work is so heavy this fall that all employees and equipment are in demand all of the daylight hours. The meeting was devoted to business matters.

Headlining the discussions was the pruning specification booklet that the association is planning to publish. When first drawn up, it was mimeographed and passed out to the membership. Some of the arborists sent copies to landscape architects and landscape contractors, and the demand for it became so great that it was thought a more attractive booklet should be printed. Prices for such a booklet were presented at this meeting, and it was agreed to proceed with the printing, but at no cost to the association. The initial order for the booklets will be held up until the members subscribe to enough copies to assure the entire cost of the printing. Suggestions for improving the wording of some phrases were offered and accepted by the group, and Leslie Mayne, San

PORTLAND WHOLESALE NURSERY CO.

5050 S. E. STARK ST. Avery H. Steinmetz PORTLAND 15, OREGON
Paul E. Van Allen

ORDER NOW while supply is adequate. Our **GROWING SEASON** has been favorable and **QUALITY** is EXCELLENT. Combination truckload service to all sections of U. S. A.

Quality Stock

CONIFERS AND BROAD-LEAVED EVERGREENS
SHADE AND FLOWERING TREES
FRUIT TREE SEEDLINGS
FRUIT TREES
DECIDUOUS SHRUBS
VINES AND BULBS
PORTLAND ROSES
NURSERY SUPPLIES

Write for our Catalog

Mateo arborist, was requested to write a foreword to the booklet.

The secretary announced that the bill for the arborists' heading in the telephone directory had been received and that the cost had been increased for the coming year. It was decided to authorize the treasurer to pay the higher rate. This heading directs possible customers to the listings of the members of the association. The association seal is prominently displayed; the associa-

tion pays for this, and the members who care to advertise or list themselves in the yellow pages do so at their own expense. Use of this service is made in the San Francisco, San Mateo and Santa Clara county directories.

The membership of Harold G. Cowan, Sunnyvale arborist, was approved by the membership committee, and his name will be voted on at the next meeting.

The secretary read an acknowl-

QUALITY NURSERY STOCK**ACER PLATANOIDES** Per 10 Per 100**Fanassen's Red-Leaved Maple**

A deep red leaf that holds color throughout growing season, very similar to Crimson King Maple.

5 to 6 ft., br.	\$30.00	\$225.00
8 to 9 ft., whips ..	30.00	250.00
7 to 8 ft., whips ..	25.00	210.00
6 to 7 ft., whips ..	21.00	180.00
5 to 6 ft., whips ..	16.00	140.00
4 to 5 ft., whips ..	13.00	110.00

Norway Maple

One of the most popular and best shade trees grown today, green and compact.

6 to 8 ft., br.	20.50	150.00
5 to 6 ft., br.	15.00	135.00
8 to 9 ft., whips ..	10.50	100.00
7 to 8 ft., whips ..	10.00	95.00
6 to 7 ft., whips ..	9.50	90.00
5 to 6 ft., whips ..	8.00	75.00
4 to 5 ft., whips ..	6.00	45.00

Columnar Norway Maple

Columnar Maple is branched with short branches all the way up the trunk. A good tree where there is not room for a spreading tree.

9 to 10 ft., whips,		
2-yr.	27.50	250.00
8 to 9 ft., whips,		
2-yr.	25.00	225.00
7 to 8 ft., whips,		
2-yr.	22.00	195.00
6 to 7 ft., whips,		
2-yr.	18.50	170.00
5 to 6 ft., whips ..	15.50	140.00
4 to 5 ft., whips ..	12.00	110.00

Drummond Norway Variegated Maple

Green leaves bordered with a white edge. Will burn in a hot and dry climate.

6 to 8 ft., br.	28.50	260.00
5 to 6 ft., br.	25.50	210.00
8 to 9 ft., whips ..	21.00	185.00
7 to 8 ft., whips ..	20.00	175.00
6 to 7 ft., whips ..	18.00	165.00
5 to 6 ft., whips ..	14.50	130.00
4 to 5 ft., whips ..	10.00	90.00

ACER RUBRUM

(Red Maple)

A nice, well-balanced, straight tree with better than a standard caliper.

8 to 10 ft., br.	27.50	250.00
6 to 8 ft., br.	22.50	200.00
5 to 6 ft., br.	16.50	150.00

ACER PSEUDOPLATANUS

Improved Spæthi

A fast-growing shade tree. Grows more compact than most fast-growing trees, has a lot of color. Dark green foliage with purplish-red color on underside of leaf.

8 to 10 ft., br.	27.50	250.00
6 to 8 ft., br.	22.50	200.00
5 to 6 ft., br.	16.50	150.00
4 to 5 ft., br.	12.50	115.00

ACER SACCHARUM

(Columnar Sugar Maple),

slightly branched.

Truly a beautiful columnar tree with dark green foliage and very columnar in habits.

7 to 8 ft.	27.50	265.00
6 to 7 ft.	22.50	215.00
5 to 6 ft.	20.00	190.00
4 to 5 ft.	17.50	165.00

ACER DASYCARPUM

(Silver Maple)

12 to 14 ft., br.	21.00	200.00
10 to 12 ft., br.	18.00	165.00
8 to 10 ft., br.	15.00	135.00
6 to 8 ft., br.	12.00	110.00
5 to 6 ft., br.	10.00	90.00

BETULA ALBA

(European White Birch)

10 to 12 ft., br.	25.00	225.00
8 to 10 ft., br.	20.00	175.00
6 to 8 ft., br.	15.00	135.00
5 to 6 ft., br.	11.00	100.00

BETULA ALBA

(Clump Birch), 3-stem

6 to 7 ft.	25.00	225.00
5 to 6 ft.	20.50	190.00
4 to 5 ft.	17.50	160.00
3 to 4 ft.	13.50	125.00
2 to 3 ft.	10.50	95.00

FRAXINUS QUADRANGULATA

(Blue Ash)

A good grower, compact and hardy.

8 to 10 ft., br.	32.50	300.00
6 to 8 ft., br.	27.50	250.00
5 to 6 ft., br.	22.50	200.00

Quantity prices and catalog on request.

POWELL VALLEY NURSERY210 S. E. Vista Ave. Gresham, Ore.
Phone: MOhawk 5-3537

edgement, with thanks, from the family of Mrs. Ray Hartman for flowers which the association had sent to Mrs. Hartman's funeral.

The president read several letters which he had received from the department of landscape horticulture at the University of California, Davis. They dealt with teaching and research at the university of interest to the arborists. It was decided to appoint a committee to screen the projects suggested by the membership and to ask Dr. Harris, chairman of the department, to attend an early meeting of the group. The president appointed the following committee: Leslie Mayne, chairman; Richard Marling, Davey Tree Service, San Francisco, and John Davis, Davis Tree Service, Menlo Park. Members were requested to consider desired research projects and submit them to the committee at the next meeting.

It was announced that the Davis Tree Service had installed a radio telephone service so that the office could contact crews during working hours and that the S. P. McClenahan Co., Palo Alto, had a walkie-talkie type of radio on a favorable channel to contact its men. It was stated that there would be an election of officers and a Christmas program at the next meeting, scheduled for December 16. W. B. B.

SAN GABRIEL FALL SHOW

The second annual San Gabriel valley fall flower and garden show, held October 30 to November 1 at the Los Angeles State and County Arboretum, Arcadia, Calif., again drew the participation of leading professional and commercial growers of the area, as well as that of hundreds of amateurs.

Included in the rose exhibits in the arboretum's new Wing building were displays entered by Armstrong Nurseries, Ontario, Calif.; Elmer Roses, Inc., San Gabriel; Germain's, Los Angeles; Marsh's Nursery, Pasadena, and Weeks Wholesale Rose Grower, Ontario. A feature attraction of the outdoor garden and landscape exhibits grouped about the building was an extensive bonsai display in an Oriental garden setting entered by the San Gabriel Nursery, San Gabriel.

NURSERY'S FIRE LOSS

A 2-alarm fire damaged two large hothouses and the heating unit of H. Plath & Sons nursery, San Francisco, early in the morning of November 9. Damage was estimated

A. MCGILL & SON**FAIRVIEW, ORE.***Wholesale only***FRUIT TREE SEEDLINGS
FLOWERING ORNAMENTAL TREES
SHADE TREES****Licensed Growers of**

Crimson King Maple (Pat. No. 735)
Moraine Locust (Pat. No. 836)
Shademaster Locust (Pat. No. 1515)
Skyline Locust (Pat. No. 1619)
Sunburst Locust (Pat. No. 1313)

**Constant Vigilance Results
in Quality Stock**

Combination carloads to eastern
distributing points.
Write for our list.

QUALITY LINERS

Write for our catalog listing
over 500 varieties.

MITSC NURSERY**Aurora, Ore.****OREGON
HOLLIES**

Skimmia japonica
General Nursery Stock
May we quote you?

ALFRED TEUFEL

Wholesale Grower
11414 N.W. Cornell Rd.
Portland, Ore.

ROSES

Top-quality, field-grown patented and
standard roses.

Write for list and prices.

JOHN CARRIG & SONS
Jefferson, Ore.

**CUTTING-GROWN
RHODODENDRON LINERS**

Hardy and semihardy varieties.
Quality only

VAN VEEN NURSERY

3127 S. E. 43rd Ave.
PORTLAND 6, ORE.

The MALLING-MERTON STORY

The story of the Malling Apple rootstocks from IX to XVI—and their successors, the M. M.'s 104, 106, 109, 111 and M.XXV. Performance figures, etc.

Free for the asking.

CHICK -A- DEE GARDENS NURSERY
Sherwood, Ore.

RHODODENDRON AND EVERGREEN LINERS**In Season****J. B. WHALLEY**

Rt. 2, Box 683 TROUTDALE, ORE.

Flower Grower,

The Home Garden Magazine, is bought, read, and loved by 400,000 families in suburbs and small towns. They buy from its pages for their lawns, their vegetable gardens, their home landscaping. They love their homes and they spend money on them.

Flower Grower, The Home Garden Magazine.

John R. Whiting, Publisher

Robert G. Miner, Advertising
Director

2049 Grand Central Terminal
New York 17, New York

ROSES OLD and NEW

Fine-quality, two-year plants
budded on Multiflora in over
250 varieties.



MT. HOOD NURSERY
Rt. 2, Box 96
GRESHAM, ORE.

CHRISTMAS TREES FOR PLEASURE AND PROFIT

By A. G. Chapman and R. D. Wray
Directions for starting and maintain-
ing a Christmas tree farm, either as a
hobby or as a business venture. Suitable
land, species to be planted, caring for
planted stock and laying out the plan-
tation. Also covers harvesting, market-
ing and income tax considerations. 215
pages, illustrated. (1957).

Price, \$3.75, postpaid.

AMERICAN NURSERYMAN

343 S. Dearborn St. Chicago 4, Ill.

Maurice C. Ravensberg

Boskoop, Holland

Reliable exporters for general nursery
stock since 1922.

Catalog on application

at \$50,000 by Herbert Plath, one
of the owners of the nursery firm
established in 1887. H. W.

OREGON NOTES

The Columbia River chapter of
the Oregon Association of Nursery-
men has changed its December
meeting date to December 17, in-
stead of the regular meeting night,
which would have fallen on Christ-
mas eve.

The Cascade chapter of the
O. A. N. recently met at the home
of Mr. and Mrs. Lester Parker,
Parker's Nursery, Applegate. Named
as a nominating committee for the
chapter by President A. M. Cooper,
Cooper's Gardens, Canyonville,
were Mrs. Moore, Moore's Nurs-
ery, Roseburg; Mrs. M. Lehne,
M. Lehne Nursery, Roseburg, and
Mrs. J. Vernon Marshall, Marshall
Nursery & Florist, Medford. Ver-
non Shangle, Natural Food Asso-
ciates, entertained the group with a
film. Another chapter meeting was
scheduled for December 8 at the
Marshall Nursery & Florist. It was
a potluck dinner meeting.

Visitors at the home of Mr. and
Mrs. Robert Walker, Holgate Nurs-
ery, Portland, recently, were their
daughter and son-in-law, Mr. and
Mrs. Rocky Falotico, and their three
grandchildren, from the air force
base, Salina, Kan.

Featured in the Oregonian Home
and Garden magazine recently was
an article and accompanying pic-
tures of the H. O. Montag resi-
dence, landscaped by Bernard H.
Vandewater, landscape gardener of
Portland.

A recent serious accident de-
stroyed the truck of Richard Hohn,
Portland landscape gardener, and
badly injured him. The unlicensed
and uninsured driver of the car
which hit Mr. Hohn's truck, was
estimated to be traveling 80 or 85
miles per hour at the time of the
accident. The five-yard truck was
totally wrecked. The other car trav-
eled another block, where it struck
another car. Mr. Hohn was uncon-
scious for 32 hours and was hospi-
talized for some time.

Junay's Garden Center, Portland,
is now sending periodically to the
firm's customers Junay's Garden
Guide, a 4-page pamphlet, which
gives the customers planting and
other timely information. C. H. P.

MOVING from its former site at
Baltimore, Md., the Town & Coun-
try Nursery will relocate in Cali-
fornia.

This invaluable

new book is

the first full-

scale study of

highway design

and landscaping

The HIGHWAY and the LANDSCAPE

Edited by W. Brewster Snow

During the next decade, the United States
will spend billions of dollars in the building
of new highways. And a sizable portion
of these billions will be spent for
landscaping.

Nurserymen and landscape specialists will
find this comprehensive volume of great
practical value, since it is written by the
most knowledgeable and articulate spokesmen
in the professions concerned.

After a brief history of the modern highway,
the authors consider the engineering
factors—location, curves, and grades,
divided highways, etc. They discuss the
value of landscaping in terms of safety,
stability and the intention of the road.
Economic factors, property values and the
politics of design and landscaping are
thoroughly covered, while a final chapter
shows the relation of horticulture to
landscaping in six major areas of
the country.

Illustrated, with appendix of hardy native
trees and shrubs. **\$5.00**

At bookstores or direct from

**RUTGERS
UNIVERSITY PRESS**

30 College Ave.

New Brunswick, N. J.

CLASSIFIED ADS

Rate: 40 cents per line, each insertion.

Minimum order, \$4.00.

Instructions for the January 15 issue must be received by Thursday, December 24.

Forms for February 1 issue will close Thursday, January 15.

AZALEAS

AZALEA LINERS
NEW AND PROVED VARIETIES.
Eureka, hardy pink, replaces Coral Bella.
Polar Bear, hardy dwarf, white.
Stewartstonian, Gable's best hardy, deep red.

Strong spring liners, \$40.00 per 100.

Send for our new list.

WELLS NURSERY

P. O. Box 141 Red Bank, N. J.

Phone SHadyside 1-0180.

BECKY AZALEA

New Azalea with longer lasting flowers!
Patent No. 1699.

Full graded plants in clay pots for forcing as needed. Write for prices stating quantity required.

ORDER NOW!

VOSTERS NURSERIES AND GHSES, INC.

Secane, Pa.

HINO-CRIMSON, GLACIER, ETC.

Thousands of beautiful specimen Kurume, Glenn Dale and other evergreen Azaleas. Dense, bushy, well-budded for forcing and landscape planting. Order now to be sure of getting your requirements. Attractive prices. Landscape sizes and liners. Send for list.

THE TANKARD NURSERIES

Exmore, Virginia

BUDDED AZALEAS

Dormant stage, for forcing or landscaping. Both hardy and greenhouse varieties. Deliveries now or in the spring. Check with order, please. Price lists available on request.

DIRKMAAT AZALEA FARM
P. O. Box 453 Ridgewood, N. J.
Greenhouses at 516 Stevens Ave.

AZALEAS

25 varieties

Field-grown and rooted cuttings.

WIGMORE'S NURSERIES
Norman Ave., Riverside Pk., Riverside, N. J.
Phone BELmont 5-2210.

AZALEAS

For forcing and landscape planting.

Write for our trade list.

THE LEVICK NURSERY CO.
R. F. D. 3 Bridgeton, N. J.

BARBERIES

RED-LEAVED BARBERRY

(Berberis atropurpurea)

2-yr. seedlings Per 100 Per 1000
30,000 10 to 18 ins. \$8.00 \$70.00
2 branches up

30,000 9 to 12 ins. 6.00 55.00

1 branch up

30,000 6 to 9 ins. 4.00 35.00

1 branch up

PETER BROUWER'S NURSERIES

24 Lester St. New London, Conn.

Barberries, liners and rooted cuttings:

Crimson Pigmy, Juliana, Mentorensis.

Please see complete list on page 57.

Templeton, Phytotektor, Winchester, Tenn.

BERRY PLANTS

LATHAM RASPBERRY PLANTS

Top quality plants, New Jersey twice state inspected. Grown in fumigated soil. Plants are a heavy grade with an exceptionally fine root system.

No. 1, 3/16 to 1/4-in., \$40.00 per 1000.

No. 1, 1/4-in. up, \$50.00 per 1000.

Prices are F.O.B. Free packing. Fall or spring delivery.

BRIDGE VIEW NURSERY

Waterford Works, N. J.

BERRY PLANTS

Blueberries, red Raspberries, Rhubarb, Asparagus, Horseradish and Gooseberries. Refer to our priced ad on page 65.

KRIEGER'S WHOLESALE NURSERY

Bridgman, Mich.

Certified Raspberry canes, No. 1 grade: Newburgh and Viking, \$50.00 per 1000; 10,000, \$45.00 per 1000; 20,000, \$40.00 per 1000. Packing free. W. H. Ferron & Co., Ltd., 515 Labelle Blvd., L'Abord & Plouffe (Montreal 40), P. Q., Canada.

BULBS and TUBERS

TUBEROUS BEGONIAS

Giant double-flowering CAMELLIA type, 8 colors.

Per 100 Per 1000

1 1/4 to 1 1/2-in. \$ 6.00 \$ 60.00

1 1/2 to 2-in. 9.50 55.00

2 to 2 1/2-in. 14.00 130.00

Mammoth, 2 1/2-in. up 25.00 200.00

Double-flowering FIMBRIATA (Carnation type), 6 colors.

1 1/4 to 1 1/2-in. \$ 7.50 \$ 65.00

1 1/2 to 2-in. 11.50 100.00

2-in. up 15.00 140.00

PICOTEE (true Camellia), two-toned, rose and white.

PENDULA (hanging basket), 5 colors.

1 1/4 to 2-in. \$13.50 \$125.00

MULTIFLORA HYBRIDS, reds, salmon and yellow.

1 1/4-in. up \$12.50 \$125.00

MULTIFLORA MAXIMA (new), compact plant covered with medium sized red blooms.

1 1/4-in. up \$14.50 \$150.00

Minimum order \$10.00.

CALADIUMS

Fancy-leaved Caladiums. The finest new commercial named varieties, over 100 regular and lance or "strap-leaved." Absolutely free from disease. Send for our color chart with cultural directions.

Per 100 Per 1000

No. 3, 3/4 to 1-in. \$ 7.00 \$ 60.00

No. 2, 1 to 1 1/4-in. 12.00 100.00

No. 1, 1 1/4 to 2 1/4-in. 18.00 160.00

Jumbo, 2 1/4 to 3 1/4-in. 25.00 230.00

Mammoth, 3 1/4-in. up 37.00 350.00

Minimum order \$10.00.

GLOXINIAS

The best leading commercial varieties.

Per 100 Per 1000

1 1/4 to 1 1/2-in. \$ 7.50 \$ 65.00

1 1/2 to 2-in. 14.00 130.00

2-in. 22.00 200.00

Mammoth, 2 1/2-in. up 30.00 275.00

Minimum order \$10.00.

Include postage when requesting parcel post shipment.

LOUIS DANK

1170 Broadway New York 1, N. Y.

FANCY-LEAVED CALADIUM BULBS

Write for prices and color folder.

Shipping starts December 15.

TUBBS BULB FARM

Box 553 Sebring, Fla.

BUXUS

Boxwood (sempervirens), good plants from open field beds, 6 ins. up, 10c; 1000, \$90.00. Mountville Nurseries, Mountville, Ga.

CHRYSANTHEMUMS

HARDY MUMS, GARDEN VARIETIES

See our ad in the November 1 issue.

VAN ENGEL'S

KALAMAZOO GARDENS NURSERY

206 Richard Ave. Kalamazoo, Mich.

CLEMATIS

CLEMATIS VINES

Large flowering, from 2 1/2-in. pots.

Each 10 100

Gypsy Queen, dark purple \$0.50 \$0.45

Henry, white .50 .45

Lady Betty Balfour, purple .50 .45

Ramona, blue .50 .45

From 4-in. pots.

Ville de Lyon, red .65 .55

Lanuginosa candida, white .65 .55

Cash with order.

FOUR STAR NURSERY

5215 238th St. S. W. Edmonds, Wash.

DOGWOODS

FALL SPECIAL, 20,000 DOGWOOD

Cornus florida Each, per 100

6 to 8 ft., heavy \$3.00

8 to 10 ft., extra heavy 5.00

Cornus florida rubra

6 to 8 ft., heavy 6.00

8 to 10 ft., extra heavy 8.00

(B&B, \$1.00 per tree.)

VOYTESHARK FARM NURSERIES

Cor. Naugatuck Ave. and W. Rutland Rd.

Phone TRinity 4-3498 Milford, Conn.

PINK DOGWOOD

Cornus florida rubra (1-yr.)

Each per 100

6 to 12 ins. \$0.40 \$0.35

12 to 18 ins. .50 .45

18 to 24 ins. .60 .55

24 to 30 ins. .85 .75

30 to 36 ins. 1.00 .90

2 to 3 ft., 2-yr. 1.25 1.15

3 to 4 ft. 1.50 1.40

4 to 5 ft. 2.50 2.25

5 to 6 ft. 3.50 3.00

WHITE-FLowering DOGWOOD

Cornus florida (2-yr.)

4 to 5 ft., br. \$1.25 \$1.00

3 to 4 ft., br. .90 .80

2 to 3 ft., br. .50 .40

18 to 24 ins., br. .30 .20

12 to 18 ins., br. .15 .10

GALE'S DOGWOOD NURSERY

P. O. Box 411 Winchester, Tenn.

PINK DOGWOOD TREES

4 to 6 ft., \$3.50.

7 to 9 ft., \$7.00.

All budded with the exception

of a few 4 to 6 ft.

Digging can be arranged.

SEIZ DOGWOOD NURSERY

317 Saw Mill Lane Horsham, Pa.

EVERGREENS, Liners

SPRING OF 1960

ROOTED CUTTINGS

Per 100 Per 1000

Arborvitae, pyramidal, 6 to 10 ins. \$0.10 \$0.09

Arborvitae woodwardi, 6 to 8 ins. .10 .09

Juniper, Andorra, 6 to 8 ins. .11 .10

Juniper, Hetz, 6 to 8 ins. .10 .09

Juniper, Pfitzer, 6 to 8 ins. .11 .10

Juniper, Swedish, 6 to 8 ins. .10 .09

Taxus browni .11 .10

Taxus hicksii, 6 to 8 ins. .10 .09

Taxus cuspidata, 6 to 8 ins. .10 .09

Taxus capitata (leaders), 6 to 8 .13 .12

Taxus densiformis, 6 to 8 ins. .11 .10

Taxus hatfieldi, 6 to 8 ins. .11 .10

1-YR. TRANSPLANTS

Taxus cuspidata .18 .16

Taxus hicksii .18 .16

Arborvitae woodwardi .16 .15

2-YR. TRANSPLANTS

Arborvitae woodwardi .23 .20

Taxus cuspidata .26 .24

Taxus hicksii .26 .24

Juniper, Irish .23 .20

Euonymus vegetus, large-leaved .15 .13

Euonymus vegetus, small-leaved .15 .13

Euonymus alatus .20 .18

3-YR. TRANSPLANTS

Taxus hicksii .34 .32

Taxus cuspidata .34 .32

Taxus hatfieldi .34 .32

Taxus densiformis .36 .34

2-YR. SEEDLINGS

Colorado Blue Spruce .08 .03

Taxus capitata .12 .10

GRAFTS

Koster Blue Spruce \$1.25 each

Moerhelm Blue Spruce 1.25 each

Swartz Blue Spruce 1.25 each

GRAFTS

Per 10 Per 100

Juniper, Burk \$0.55 \$0.50

Juniper, Canaert .55 .50

Juniper, Dundee .55 .50

Juniper, Keteleer .55 .50

Juniper, Hillspire .55 .50

50 of a variety at 100 rate.

300 of a variety at 1000 rate.

DRAKES NURSERIES

G-4342 Branch Rd. Flint 6, Mich.

PINE SEEDLINGS

Terms: Cash. No charge for shipping.

\$10.00 per 100, \$50.00 per 1000.

P. attenuata P. mugo

P. banksiana P. nigra

P. brutia P. patula

P. cembra P. palustris

P. cembroides P. pinaster

P. contorta P. pentaphylla

P. densiflora P. ponderosa

P. elliotii P. pungens

P. flexilis P. sylvestris

P. griffithii P. sabiniana

P. halepensis P. thunbergii

P. jeffreyi P. torreyana

P. lambertiana P. taeda

P. monophylla P. virginiana

EVERGREEN HOUSE, DEPT. 1D1

P. O. Box 433 Los Altos, Calif.

EVERGREEN LINERS

2 1/2-IN. POTTED LINERS	Each, 100	1000
Armstrong Pfitzer, 2-yr.	\$0.22 1/2	\$0.20
Pfitzer Juniper, 2-yr. ....	.21	.18 1/2
Blue Pfitzer Juniper, 2-yr. ....	.22 1/2	.20
Burk Juniper, 2-yr. ....	.25	.22 1/2
Biota aurea nana, 2-in. pots. ....	.17 1/2	.15
Hetz glauca Juniper, 2-yr. ....	.22 1/2	.20
Taxus andersonii, 2-yr. ....	.22 1/2	.20
Taxus Adams' columnaris, 2-yr. ....	.22 1/2	.20
Taxus brownii, 2-yr. ....	.22 1/2	.20
Taxus media, 2-yr. ....	.22 1/2	.20
Taxus cuspidata, 2-yr. ....	.22 1/2	.20

FIELD-GROWN LINERS, from pots and transplanted to nursery row.	Each, 100	1000
Armstrong Pfitzer, 3-yr. ....	.45	.40
Armstrong Pfitzer, 2-yr. ....	.35	.30
Pfitzer Juniper, 2-yr. ....	.32 1/2	.27 1/2
Blue Pfitzer Juniper, 2-yr. ....	.35	.30
Biota aurea nana, 3-yr. ....	.35	.30
Biota aurea nana, 2-yr. ....	.30	.25
Woodward Globe Arb., 2-yr. ....	.30	.25

ROOTED CUTTINGS, heavy rooted cuttings in lath house, ready now.	Per 100	Per 1000
Pfitzer Juniper, 2-yr. ....	.12	.11
Taxus Adams' columnaris, 2-yr. ....	.11	.10
Taxus brownii, 2-yr. ....	.10	.09
Taxus cuspidata, 2-yr. ....	.10	.09
Taxus hickelii, 2-yr. ....	.10	.09
Taxus media, 2-yr. ....	.11	.10
Taxus huffii, 2-yr. ....	.10	.09

TERMS: Cash with order, free packing.
300 plants of a variety at 1000 rate.
Special quotations on large quantities.
VOGE NURSERY
New Lebanon, O.

EVERGREENS

SEEDLINGS AND TRANSPLANTS	Per 100	Per 1000
NORWAY SPRUCE		
4-yr. transplants, 5 to 8 ins.	\$45.00	\$450.00
4-yr. transplants, 9 to 14 ins.	60.00	600.00

WHITE SPRUCE	Per 100	Per 1000
4-yr. transplants, 5 to 8 ins.	40.00	400.00
4-yr. transplants, 9 to 14 ins.	55.00	550.00

COLORADO BLUE SPRUCE	Per 100	Per 1000
2-yr. seedlings, 3 to 6 ins.	22.00	220.00
4-yr. transplants, 4 to 6 ins.	60.00	600.00
4-yr. transplants, 7 to 10 ins.	70.00	700.00

BLACK HILLS SPRUCE	Per 100	Per 1000
4-yr. transplants, 4 to 6 ins.	55.00	550.00
4-yr. transplants, 7 to 10 ins.	65.00	650.00

BLUE DOUGLAS FIR	Per 100	Per 1000
4-yr. transplants, 4 to 6 ins.	45.00	450.00
4-yr. transplants, 7 to 12 ins.	60.00	600.00

GRAY DOUGLAS FIR	Per 100	Per 1000
4-yr. transplants, 6 to 10 ins.	65.00	650.00
4-yr. transplants, 11 to 16 ins.	80.00	800.00

SCOTCH PINE	Per 100	Per 1000
French D'Auvergne, 2-yr. seedlings, 6 to 8 ins.	18.00	180.00
Austrian Hills, 4-yr. transplants, 9 to 12 ins.	40.00	400.00
4-yr. transplants, 12 to 16 ins.	50.00	500.00

AUSTRIAN PINE	Per 100	Per 1000
4-yr. transplants, 6 to 8 ins.	45.00	450.00
4-yr. transplants, 8 to 12 ins.	55.00	550.00
5-yr. transplants, 14 to 20 ins.	75.00	750.00

Satisfaction guaranteed.
Please visit us.
W. S. YOE NURSERIES
Lake St. Madison, O.

EVERGREEN LINERS

POTTED, BEDED CUTTINGS	Per 100	Per 1000
Juniper, Pfitzer, 2 1/2-in. pots.	\$27.50	\$250.00
Juniper, Pfitzer compacta, 2 1/2-in. pots.	27.50	250.00

2 1/2-IN. POTS	Per 100	Per 1000
Juniper, glauca hetzi, 2 1/2-in. pots.	22.50	200.00
Taxus, Adams, 2 1/2-in. pots.	27.50	250.00
Taxus brownii, 2 1/2-in. pots.	27.50	250.00
Taxus cuspidata, 2 1/2-in. pots.	27.50	250.00
Taxus huffii, 2 1/2-in. pots.	27.50	250.00
Taxus intermedia, 2 1/2-in. pots.	27.50	250.00

2 1/2-IN. POTS	Per 100	Per 1000
Thuja pyramidalis, 2 1/2-in. pots.	22.50	200.00
Thuja woodwardii, 2 1/2-in. pots.	22.50	200.00

3-YR. BEDED CUTTINGS	Per 100	Per 1000
Taxus cuspidata, 3-yr.	17.50	150.00
Taxus hickelii, 3-yr.	17.50	150.00
Improved Pyramid, 3-yr.	17.50	150.00
Juniper, Andorra, 3-yr.	17.50	150.00
Siberian Arborvitae, 3-yr.	17.50	150.00
Juniper, Pfitzer, 3-yr.	17.50	150.00

No charge for packing if cash accompanies order.
THE HOLLANDIA GARDENS
South Vienna, O.

HEAVY LINERS FROM FIELD ROWS	Per 100	Per 1000
Andorra Juniper, 8 to 10, T.	\$15.00	\$125.00
Globe Arborv. woodwardii, 9 to 10, T.	30.00	295.00
Pfitzer Juniper, 10 to 15, T.	35.00	300.00
Pyramidal Arborv., 12 to 15, T.	35.00	300.00

Cash with order, please. 500 at 1000 rate.
Free packing. P. 395.
WHERRY'S NURSERIES, ST. MARTY'S, W.VA.

PICEA OMORIKA

(Siberian Spruce)
The most beautiful, graceful and hardiest of all Spruces. 2-yr. seedlings, 8 to 12 ins., \$35.00 per 100.

PARMENTIER'S ROSES

Bayport, L. I., N. Y.
Phone Bayport 8-0811.

EVERGREENS

ROOTED CUTTINGS	Each, 100	1000
Arborvitae, American, dark green, 6 to 8 ins.	\$0.10	\$0.09
Arborvitae, pyramidal, 6 to 8 ins. ....	.10	.09
Arborvitae, globe, 4 to 8 ins. ....	.10	.09
Juniper, Hetz, 6 to 8 ins. ....	.10	.09
Juniper, Pfitzer, 6 to 8 ins. ....	.10	.09
Juniper, Savin, 6 to 8 ins. ....	.10	.09
Juniper, Von Ehron, 6 to 8 ins. ....	.10	.09
Juniper, Andorra, 6 to 8 ins. ....	.10	.09
Taxus cuspidata, 6 to 8 ins. ....	.09	.08
Taxus hunnewelliana, 6 to 8 ins. ....	.10	.09
Taxus hickelii, 6 to 8 ins. ....	.10	.09
Taxus capitata (leaders), 6 to 8 ins. ....	.13	.12

250 per variety at 1000 rate. Spring delivery.
20 per cent discount on all 1000 rate orders received before January 1, 1960.

DE WINTER'S NURSERY
653 Port Sheldon Rd. Grandville, Mich.

ARBORVITAE TRANSPLANTS

FIRST GRADE	Per 100	Per 1000
Grown in open field beds.		
American, 2-yr., 6 to 10 ins.	\$16.00	\$150.00
3-yr., 10 to 15 ins.	10.00	175.00
Elegantissima, 2-yr., 6 to 8 ins.	24.00	200.00
Globosa, 3-yr., 8 to 12 ins.	30.00	250.00
Wareana, 2-yr., 6 to 8 ins.	24.00	200.00
3-yr., 8 to 12 ins.	30.00	250.00

200 or more take 1000 rate.
Government Inspected stock.
No Japanese beetles.
Write for complete list.

KING WHOLESALE NURSERY
R. D. 5 Greensburg, Pa.
4 miles east on Route 180.
Phone Temple 4-8330

CANADA HEMLOCK
COLLECTED SEEDLINGS

Per 100	Per 1000
6 to 9 ins.	\$ 5.00 \$ 30.00
9 to 12 ins.	8.00 70.00
12 to 15 ins.	15.00 120.00
15 to 24 ins.	30.00 300.00

NURSERY-GROWN TRANSPLANTS
4 to 8 ins., 2-2 20.00 180.00
8 to 12 ins., 2-2 25.00 240.00
12 to 18 ins., 2-3 60.00 600.00
18 to 24 ins., 2-3 80.00

Send for complete list of hardy native Ferns, wild flowers, trees, shrubs and Evergreens.

ISAAC LANGLEY WILLIAMS
Box AN Exeter, N. H.
SPECIAL FALL AND WINTER SALE RATE
10 per cent off on orders before January 30

"The Pinet" Evergreen liners and cuttings, 2-yr., pot-grown stock, 7 to 9 ins., sheared, 20c to 26c each, per 1000 rate.
Heavy rooted cuttings, 1-yr.-old, 8c to 10c per 1000 rate.

NOTE! Write for price list with full line of potted stock and rooted cuttings. Bargain offer on 250 pot plants or 250 rooted cuttings. Special prices on large quantities, samples free on request.

Call collect Tipp City NO 7-6399.
MIAMI NURSERY CO.
Tipp City, O.

PINE, SPRUCE SEEDLINGS
AND LINERS 100 1000
Scotch Pine, 3-yr., 9 to 14 ins. \$ 6.00 \$30.00
(French and Spanish strains)
Colo. Blue Spruce, 4-yr., 6 to 12 ins. 8.00 50.00

Norway Spruce, 3-yr., 6 to 12 ins. 6.00 35.00
Juniperus glauca hetzi, 3-yr., 6 to 12 ins. 25.00

Spreading Jap. Yew, 3-yr., 5 to 10 ins. 30.00
Write for complete list.

PAINT CREEK NURSERIES
R. D. 1 Shippensburg, Pa.

BERCKMANS' GOLDEN ARBORVITAE
OUR SPECIALTY
Sturdy liners, dirt-grown in full sun.

Each, 100	1000
4 to 6 ins.	8c 7 1/2c
6 to 8 ins. ....	.11c 10c
8 to 10 ins. ....	.14c 15c
10 to 12 ins. ....	.22c 20c

THE BUSH RANCH
140 Woodland Dr. Thomasville, Ga.
James W. Lawson, Mgr. Phone CA 6-4245

DOUGLAS FIR
2-yr., field-grown, average 5 to 8 ins. Root pruned. Very carefully packed. \$25.00 per 1000, F.O.B. Sheridan. \$100.00 per 5000, F.O.B. Sheridan.

Order now. Spring 1960 delivery. 5 per cent discount all cash orders.
FULTON V. SMITH, SHERIDAN, ORE.

COLORADO BLUE DOUGLAS FIR
3-yr. seedlings, 5 to 8 ins. \$40.00 per 1000. Packing free.
WESTERN EVERGREENS

Route 1 Golden, Colo.
Berckmans' Golden Arborvitae, 6 ins. cuttings rooted in soil since spring 1959, 10c. Please see complete list on page 57.
Templeton, Phytotektor, Winchester, Tenn.

Junipers, strong rooted cuttings of many varieties, rooted in soil since spring 1959. Please see complete list on page 57.
Templeton, Phytotektor, Winchester, Tenn.

Nandina domestica, liners, 8 ins. up, 12c; 1000, \$100.00.
Mountville Nurseries, Mountville, Ga.

Mahonia bealei, strong 1-yr. seedlings, 6c. Please see complete list on page 57.
Templeton, Phytotektor, Winchester, Tenn.

EVERGREENS, B&B

PINES, NURSERY-GROWN
SHEARED
AUSTRIAN, Red, Scotch, White.

18 to 24 ins.	5-29	30-99	100 up
2 to 3 ft.	\$2.50	\$2.00	\$1.75
3 to 3 1/2 ft.	3.00	2.75	2.50
3 1/2 to 4 ft.	3.75	3.50	3.25
4 to 4 1/2 ft.	4.25	4.00	3.75
4 1/2 to 5 ft.	5.00	4.75	4.50
5 to 5 1/2 ft.	5.50	5.25	5.00

NORWAY SPRUCE
18 to 24 ins. 2.50 2.00 1.75
2 to 3 ft. 2.75 2.50 2.25
3 to 3 1/2 ft. 3.50 3.25 3.00
3 1/2 to 4 ft. 4.50 4.00

Wholesale list on request.
R. BRUMOND SMITH NURSERY
R. R. 2, Box 198 Muncie, Ind.
Phone AT 2-5144

SURPLUS STOCK
Specimen stock, sheared close each year. Balled and burlapped.

20,000 spreaders: Junipers, Pfitzer, hetzi glauca, Von Ehron, Silver Pfitzer, Andorra, 15 to 18 ins., \$1.50; 18 to 24 ins., \$1.75; 2 to 3 ft., \$2.25.

6000 Irish Juniper (hibernica fastigiata), 2 to 3 ft., \$1.50; 3 to 4 ft., \$1.75; 4 to 5 ft., \$2.00.

6000 Euonymus patens, large, medium, small leaf; 15 to 30 ins., \$1.00.
4000 Nandinas, 15 to 18 ins., \$1.00; 18 to 24 ins., \$1.25; 2 to 3 ft., \$1.50.

All priced F.O.B. our place.
ROLLER'S NURSERY, ROGERS, ARK.
Phone ME 6-4790

JUNIPERS, HETZ AND PFITZER
15 to 18 ins. to 24 to 30 ins., row-run, you dig them, \$50.00 per 100.
A. J. BUTTERFIELD, FARMINGTON, MO.

EVERGREENS, Miscellaneous
Taxus, Ilex, broad-leaved Evergreens, etc., in variety. Write for our latest list of liners and finished stock.
Del-Mar-Va Nurseries, Box 3, Lincoln, Del.

EUONYMUS

EUONYMUS LINERS
ROOTED CUTTINGS from open frames

Per 100	Per 1000
E. coloratus, 2-yr.	\$ 8.50 \$ 85.00
E. patens, 2-yr.	7.00 70.00
E. patens, small leaf, 2-yr.	7.00 70.00
E. radicans upright, Sarcocoe, 2-yr.	8.00 80.00

2-YR. TRANSPLANTS
E. coloratus, 2-yr. 33.00 250.00
E. radicans upright, Sarcocoe, 2-yr. 35.00 300.00

3-YR. TRANSPLANTS
E. radicans upright, Sarcocoe, 3-yr. 55.00 500.00
FOX NURSERY, HUMANSVILLE, MO.

EUONYMUS
Each, 100 1000
E. alatus compactus, 2-yr., T. \$0.30 \$0.25
3-yr., T. 12 to 18 ins., br.45 .40

Suitable for mail order.
E. radicans vegetus, 2-yr., T.30 .25
C. HOOGENDOORN
WHOLESALE NURSERYMAN
413 Turner Rd. Newport, R. I.

FRUIT AND NUT TREES

PECAN TREES, PAPER-SHELL
The nation's finest quality paper-shell Pecan trees. Vigorous, heavy caliper, smooth trees, grown under irrigation. All staked and trimmed for best appearance. Machine dug with the whole fibrous root system intact. Free, four-color Point of Purchase banners showing in life-like color, all varieties. Free planting guide for your customers. Order now while selections are complete. Varieties available: Stuart, Success, Mahan, Garner, Western Schley, Burkett. Write for prices on packaged trees in attractive four-color bags.

PRICES, BARE-ROOT TREES
50 100 500
1 to 2 ft. \$0.90 \$0.85 \$0.80
2 to 3 ft. 1.30 1.25 1.20
3 to 4 ft. 1.45 1.40 1.35
4 to 5 ft. 1.55 1.50 1.45
5 to 6 ft. 2.35 2.30 2.20
6 to 7 ft. 3.30 3.20 3.10

WOLFE NURSERY
Box 2000 Stephenville, Tex.

FRUIT TREE LINERS
Peach, Apple, Plum, Pear, Cherry. Reasonably priced. Send want list.

GLOBE NURSERIES
Box 249 McMinnville, Tenn.

FRUIT AND NUT TREES—Continued

THOMAS BLACK WALNUT
Grafted trees our specialty, carefully grown, dug and packed to reach you in first-class condition. Repeat orders have built our business. No packing charge. Thomas Walnut, 2 to 3 ft., 10 trees, \$10.00; 3 to 4 ft., 10 trees, \$12.50; 4 to 5 ft., 10 trees, \$14.00. Book orders now to ensure delivery. C.O.D. shipments, send 25 per cent with order. We could not fill all orders for the past two seasons. Send for our list of fruit trees, Apple, Peach and Plum. No packing charge. Satisfaction guaranteed.

CLINGER NURSERY
Highway 71 West Rogers, Ark.

WINTER NELIS PEAR SEEDLINGS

Yakima valley grown.
¾-in., \$55.00 per 1000
No. 1, \$50.00 per 1000
No. 2, \$45.00 per 1000

MORRISON NURSERY, INC.
Route 1, Box 147A
Zillah, Wash.

PIXWELL GOOSEBERRY

2-yr., No. 1,
\$18.00 per 100.
1-yr. plants, \$12.00.

BERGESON NURSERY
Fertile, Minn.

GARDEN ROOTS

RED RHUBARB, NO. 1 DIVISIONS
Chipman's Canada Red, MacDonald Red, Valentine Red. Also Jumbo divisions.
CHAPMAN'S BERRY FARM
East Leroy, Mich.

GERANIUMS

GERANIUMS
Red and Scarlet Dbl. Pink and Sal., cont.
A. B. C. RED MME. LANDRY
AVALON RED MRS. LAWRENCE
BETTER TIMES IMPR.
DARK RED IRENE PK. BETTER TIMES
IMPR. RED FIAT PINK FIAT
IRENE PINK GIANT
MONTMORT PINK PHENOMENAL
NEW RUBY PINK SENSATION
OLYMPIC RED SALMON IRENE
PINK IRENE SALMON SUPREME
PRIDE OF CAMDEN SEPTIMIE IRENE
RADIO RED White Double
RED BARNEY GREGERSEN'S WHT.
RED FIAT MADONNA
RED LANDRY MME. BUCHNER
SANDRA IRENE SNOWBALL
Pink and Sal. Dbl. Misc. shades dbl.
ALWAYS ORANGE RICARD
APPLEBLOSSOM SPRINGTIME VIOLET
AVALON BEAUTY Single varieties
CALIF. PINK E. G. HILL
ENCHANT. FIAT KOVALEVSKI
GENIE MARG. DE LAYRE
IRV. BEAUTY PAUL CRAMPSEL
LADY JANE POTTEVINE
Also MARTHA WASHINGTON, IVY-LEAVED, FANCY-LEAVED.

Unrooted 1000, \$39.50
Callused, allow 3 weeks del. 1000, 59.50
Rooted, allow 8 to 5 weeks del. 1000, 79.50
Minimum orders: 1000 cuttings, unrooted; 500 cuttings, callused and rooted. Not less than 100 per variety at 1940 prices; less than 100 per variety, add 10 per cent. Check with order.

HOLLAND BULB CO., INC.
P. O. Box 100 Mount Vernon, Wash.
Phone GA 4-5481

QUALITY GERANIUM CUTTINGS
Unrooted, \$4.50 per 100, \$40.00 per 1000; rooted, \$8.50 per 100, \$80.00 per 1000. Special varieties slightly higher. Catalog of over 150 leading varieties free.
C. SECRIST, MUSCATINE, IA.

GRAFTING STOCK

GRAFTING STOCK
Each, 100 1000
Juniperus virginiana, 2-yr., T. ..\$0.10 \$0.09
Viburnum dentatum, 2-yr., strong seedlings09 .07½
C. HOOGENDOORN, NURSERYMAN
408 Turner Road Newport, R. I.

Classified Ads Offer Maximum Results at Minimum Cost.

GRAPEVINES

GRAPE CUTTINGS
Concord and Fredonia, cut by experienced workmen, from clean, healthy vineyard; largest in Oklahoma. Tied with wire, 100 to bunch, \$6.00 per 1000. F.O.B. here, by express or motor freight, while supply lasts.
IDEAL FRUIT FARM AND NURSERY
Stillwell, Okla.

GROUND COVERS

PERIWINKLE
Hardy running Myrtle (Vine minor), heavy 15 to 25-case clumps of better than ever quality, dug and shipped fresh, \$50.00 per 1000.

Honeysuckle (Hall's halliana), 2 to 3 branched, \$45.00 per 1000.

English Ivy (Hedera helix), 1-yr., rooted cuttings, \$50.00 per 1000.

Pachysandra, 1-yr., rooted cuttings, \$50.00 per 1000.

H. C. WAUGH Gallipolis, O.
Box 41, Upper River Rd.

Hardy Myrtle (Vine minor), plants with 20 leads or more and good roots, \$5.00 per 100, \$45.00 per 1000. Pachysandra, sand-rooted cuttings, \$40.00 per 1000. English Ivy, sand-rooted cuttings, \$40.00 per 1000. Cash. Also potted stock of all items listed.
Samuel I. Minder, 1245 Wabank Rd., Lancaster, Pa. Phone EX 3-6347.

HARDY MYRTLE
25 lead average, \$5.00 per 100, \$50.00 per 1000; \$45.00 per 1000 for 5000 or over. Clumps, out of 2-in. pots, 100 each.

R. R. 2 VAUGHAN'S NURSERY Granger, Ind.

HARDWOOD CUTTINGS

HARDWOOD CUTTINGS
Unrooted. Hand-trimmed from good stock.
Taxus cuspidata Taxus hatfieldi
Taxus hispida Taxus brownii
Taxus hillii Taxus intermedia
\$20.00 per 1000. F.O.B. Cash in advance. Shipped now to January 15. No packing charge.
JOSEPH HOLLER FLORIST & NURSERY
Paris, Ill.

HARDWOOD CUTTINGS
SHRUBS AND EVERGREENS.
Cornus, Forsythia, Hydrangea, Privet, Honeysuckle, Philadelphus, Spiraea.
Evergreens: Taxus, Juniper, Arborvitae. Collected, inspected hard Maple, Ostrya virginiana (American Ironwood).
Write for varieties and prices.
SCOTCH GROVE NURSERY
Scotch Grove, Ia.

Sell Stock Quickly and Easily with American Nurseryman Classified Ads.

HARDY PLANTS

MINIATURE ROSES
They're perfection in a "small package." Miniature Rose plants grow 8 to 12 in. high and are excellent for pot plants, cutting, corsages, borders, window boxes. Tough and hardy, they're easy to grow, guaranteed to bloom. Select from the 10 best known Miniatures in America, including smallest fully double white, the best pure yellow, pinks, reds, crimson and two-toned. Some deliciously fragrant. Write for full descriptions and prices.

THE CONARD-PYLE COMPANY
West Grove 220, Pa.

HARDY PLANTS
Wholesale growers of Phlox, outdoor Chrysanthemums and a large assortment of other perennial plants.
Write for trade list.

WALTERS GARDENS Zeeland, Mich.
R. R. 2

PITZONKA'S FIELD-GROWN PERENNIALS
Strong field-grown plants. Write for trade list.

PITZONKA'S PANTRY FARM & NURSERY
Bristol, Pa.

PERENNIALS
Over 500,000 plants.
Over 475 varieties of choice premium stock.
Send for catalog.
SPRINGBROOK GARDENS, INC.
Mentor, O.

HARDY PLANTS
See our ad in the November 1 issue.
VAN ENGEL'S
KALAMAZOO GARDENS NURSERY
206 Richard Ave. Kalamazoo, Mich.

America's best source for Hardy Plants is THE WAYSIDE GARDENS
Mentor, Ohio
Write for Trade List.

HARDY PLANTS
See our ad in the November 1 issue.
KALAMAZOO PERENNIAL GARDENS
Box 2443 Kalamazoo, Mich.

Liriopsis (Ophiopogon), hardy, evergreen, for walks and borders; strong divisions, 1000, \$20.00. Mountville Nurseries, Mountville, Ga.

SPECIALISTS IN HARDY PERENNIALS
Ask for wholesale offer.
PEARCE SEED CO., Moorestown, N. J.

WELLER'S BETTER PERENNIALS
WELLER NURSERIES CO., Holland, Mich.
Write for trade list.

HEATHERS

HEATHERS
Fall 1959. Spring 1960.

Each
150 Calluna vulgaris alportii, 4 to 6 in. ..\$9.45
300 Calluna vulgaris alba erecta, 4 to 6 .. .45
150 Calluna vulgaris alba minor, 4 to 6 .. .45
100 Calluna vulgaris multiplex, 4 to 6 in. .. .45
400 Calluna vulgaris pilosa alba, 4 to 6 .. .45
500 Calluna vulgaris pilosa alba, 6 to 9 .. .55
300 Calluna vulgaris rubra, 4 to 6 in. .. .45

THE CAPE COD NURSERIES
H. V. LAWRENCE, INC.
Falmouth, Mass.

HOLLY

LIVING, POTTED, CHRISTMAS HOLLY
Hardy New Jersey grown varieties of American Holly potted last fall or winter. Cutting-grown, guaranteed female. Decorated with realistic bright red berries in clusters. Shipped in red or green aluminum or plastic pots.

Guaranteed MALE PLANTS also available. Decorated at same price; not decorated, 10c less per plant.

No. per Price per carton*
carton 1-3 4-14 15 up
2½-in. pots, 4 to 6 in. 35 \$11.75 \$10.50 \$ 9.25
3-in. pots, 6 to 12 in. 18 12.20 11.30 10.40
3-in. pots, 12 to 15 in. 18 14.90 14.00 13.10
*F.O.B. Neshanic Station. Shipped via rail or truck express. Remit for 20 lbs. if parcel post desired. Deliveries at cost only. 50c less per carton for pickup or delivery.
ORDER NOW, BEFORE THE RUSH.
JOHN VERMEULEN & SON, INC.
Neshanic Station, N. J.

NEW VARIETIES OF PROVED MERIT.
Per 100
Ilex opaca Fargo, exceptionally hardy ..\$40.00
Ilex opaca Old Heavy Berry 50.00
Ilex opaca Judge Brown No. 7,
new, outstanding 75.00
Ilex opaca Judge Brown No. 9,
new, male 75.00

ALL STRONG SPRING LINERS
Send for our new list.
WELLS NURSERY
P. O. Box 141 Red Bank, N. J.
Phone SHadyside 1-0180.

Hollies, garden mart sizes for Christmas. Well-berried plants of the best named varieties. Plenty of Old Heavy Berry, in 24-in. size, berried. Also 12 to 15-in. liners in 2-in. pots of Old Heavy Berry and several other named varieties, 75c each. New hybrid Nelly R. Stevens (Chinese-English cross), liners, 11 to 15 in., \$1.00 each.
Visit and see our selection. Plants burlapped to order. Nursery pickup only.
Grovvat's Holly Nursery, Neck Rd., Burlington, N. J., phone Dudley 6-1514.

ILEX OPACA
SUPERIOR NAMED VARIETIES
WHOLESALE SUPPLIERS
OF LINING-OUT STOCK
Write for our price list.
HOLLY HAVEN, INC.
Box 75 New Lisbon, N. J.

HOLLY
English, Silver variegated.
2½-in. pots, 10 to 15 in. tall, 40c.
Ready now. Order with order, please.
KRUSCHKE GREENHOUSES
Clackamas, Ore.

American Holly, grown from cuttings; set guaranteed, female or male. Bed-grown, 18 months old, 4 to 6 in. 175c.
Please see complete list page 57.
Templeton, Phytotektor, Winchester, Tenn.

Check Your Stock NOW!
If you have a surplus
sell it through the
American Nurseryman Classified Ads.

HONEYSUCKLES

HONEYSUCKLES
Lonicera japonica halliana, extra-heavy No. 1, 3 and 4-yr., 18 to 24-in. field plants 3, 4 to 6 leads, \$40.00 per 1000; lighter grade, \$30.00 per 1000; sample, 100, \$4.00.
Experienced labor for grading and packing quantity orders. Immediate shipment. No order too large. Phone OR 2-4613.
ROBINSON NURSERY CO., Greenville, Ga.

Hall's Honeysuckle, good plants, well packed, 1000, \$25.00.
Mountville Nurseries, Mountville, Ga.

IVIES

ENGLISH IVY (HEDERA HELIX)
Our super quality large-leaved strain. Approved landscape architects' standards. Order now! Ready for immediate shipment.
Strong 5 to 7-in. cuttings from field plants, \$6.00 per 100, \$55.00 per 1000.
BABCOCK GARDENS, R. 3, Jamestown, N.Y.

Ivies, large and small-leaved; good plants, from open field beds, 100, \$5.00; 1000, \$40.00.
Mountville Nurseries, Mountville, Ga.

BALTIC IVY.

Hardest ivy. Fine for wall or ground cover. True stock. Well-rooted plants.

Per 100 Per 1000
Rooted cuttings \$ 7.00 \$ 66.00
2-in. pots 12.50 115.00

NEW THORNDALE IVY.

2 1/4-in. pots \$25.00 per 100
Euonymus laevigata, 2-in. pots, 10.00 per 100

EUONYMUS VEGUTUS

2-in. pots, \$12.00 per 100, \$110.00 per 1000.
2-yr., field-grown, \$35.00 per 100.

STRATFORD GARDENS

Russell Breece, M. R. 9 Delaware, O.

ENGLISH IVY (HEDERA HELIX)

Large, heavy rooted, well-established plants; 2 1/4-in., 3 plants per pot, \$16.00 per 100, \$150.00 per 1000. Cash, please.

BONGARZONE NURSERY, INC.

Wayside Rd. New Shrewsbury, N. J.

LINING-OUT STOCK

LINING-OUT STOCK

Per 100 Per 1000

Acer platanoides, 1-yr. seedlings, 4 to 6 ins. \$ 5.50 \$ 45.00

Acer platanoides, 1-yr. seedlings, 6 to 9 ins. 6.50 55.00

Acer platanoides, 1-yr. seedlings, 9 to 12 ins. 7.50 65.00

Acer platanoides, 1-yr. seedlings, 12 to 15 ins. 9.50 85.00

Acer platanoides, 2-yr., T. FR. 15 to 18 ins. 16.00 135.00

Acer platanoides, 2-yr., T. FR. 18 to 24 ins. 18.00 150.00

Acer platanoides, 3-yr., T. FR. 4 to 5 ft. 70.00 600.00

Acer platanoides, 3-yr., T. FR. 5 to 6 ft. 85.00 750.00

Acer saccharum, 1-yr. seedlings, 6 to 9 ins. 6.50 55.00

Acer saccharum, 1-yr. seedlings, 9 to 12 ins. 7.50 65.00

Ampelopsis vitifolia, 1-yr. seedlings, No. 1. 7.00 60.00

Berberis thunbergii, 2-yr., T. FR. 6 to 9 ins. 7.50 65.00

Berberis thunbergii atropurpurea, 2-yr., T. FR. 6 to 9 ins. 8.50 75.00

Cornus kousa, 1-yr. seedlings, 6 to 9 ins. 9.00 80.00

Cornus kousa, 1-yr. seedlings, 9 to 12 ins. 10.00 90.00

Cryptomeria japonica, 1-yr., T. 4 to 6 ins. 6.00 55.00

Euonymus vegetus, 2-yr., T. FR. 6 to 9 ins. 35.00 300.00

Ginkgo biloba, 1-yr. seedlings, 4 to 6 ins. 8.50 75.00

Quercus palustris, 1-yr. seedlings, 4 to 9 ins. 6.00 50.00

Quercus palustris, 3-yr., T. FR. 18 to 24 ins. 50.00 400.00

Quercus palustris, 3-yr., T. FR. 24 to 30 ins. 70.00 600.00

Sophora japonica, 1-yr. seedlings, 6 to 9 ins. 8.50 75.00

Sophora japonica, 1-yr. seedlings, 9 to 12 ins. 10.50 95.00

Taxus cuspidata, 1-yr. seedlings, 4 to 5 ins. (over 500, \$65.00 per 1000). 9.00 80.00

Taxus densiformis, 3-yr., T. beds 30.00 250.00

Taxus densiformis, 3-yr., T. beds 45.00 400.00

Taxus densiformis, 5-yr., T. FR. 65.00 600.00

Taxus hatfieldi, 2-yr., T. beds 30.00 250.00

Taxus hatfieldi, 3-yr., T. beds 45.00 400.00

Taxus hatfieldi, 5-yr., T. FR. 65.00 600.00

Tilia cordata, 1-yr. seedlings, 6 to 9 ins. 11.00 100.00

Tilia cordata, 3-yr., T. FR. 3 to 4 ft. staked 65.00 550.00

Tilia cordata, 3-yr., T. FR. 4 to 5 ft. staked 75.00 650.00

Zelkova serrata (sub. for American Elm), 1-yr. seedlings, 9 to 12 ins. 15.00 120.00

(Not subject to Dutch Elm Disease.)

BOULVARD NURSERIES, INC.

Newport, R. I.

Phone VI 6-1263

LINING-OUT STOCK

LINING-OUT STOCK

Per 100 Per 1000

Magnolia grand., 4 to 8 ins. \$5.00 \$40.00

Cherry Laurel, 6 to 12 ins. 3.00 20.00

Cherry Laurel, 12 to 18 ins. 5.00 40.00

Live Oaks, 6 to 12 ins. 3.00 20.00

Live Oaks, 12 to 18 ins. 4.00 35.00

Dogwood, white-flowering, 8 to 12 ins. 2.50 20.00

Yaupon Holly, 8 to 12 ins. 3.00 20.00

Yaupon Holly, 8 to 12 ins. 4.00 35.00

Euonymus, green, rooted cuttings 3.00 25.00

Photinia glabra, 6 to 12 ins. 6.00 50.00

Photinia serrulata, 6 to 18 ins. 4.00 30.00

Slash Pines, 6 to 12 ins. 3.00 20.00

Longleaf Pines, 1-yr. 2.00 15.00

Wax Ligustrum, rooted cuttings, 3.00 25.00

Wax Ligustrum, 6 to 12 ins. 4.00 35.00

Wax Ligustrum, 12 to 18 ins. 6.00 50.00

L. H. BUTTER NURSERY

Forest Hill, La.

VIBURNUM LANTANA

Lining-out shrubs.

Per 100 Per 1000

2000 1-yr., 5 to 8 ins., strong. \$ 6.00 \$ 50.00

500 2-yr., tr. pl., 10 to 15 ins. 12.00

JOHN BOS NURSERY, CLYDE, O.

SPECIALS

Per 100 Per 1000

Cornus florida alba plena (double White-Flowering Dogwood), 6 to 12 ins. \$50.00 \$450.00

12 to 18 ins. 75.00 650.00

Cornus florida rubra (deep Pink-Flowering Dogwood), 6 to 12 ins. 40.00 350.00

12 to 18 ins. 70.00 650.00

SEEDLINGS

Berberis thunbergii atropurpurea (red-leaved Barberry), 6 to 9 ins. 8.00 60.00

Castanea crenata (Japanese Chestnut), 1-yr., 6 to 9 ins. 12.00 100.00

9 to 12 ins. 15.00 120.00

Castanea mollissima (Chinese Chestnut), 1-yr., 6 to 9 ins. 12.00 100.00

9 to 12 ins. 15.00 120.00

Cornus florida (White Dogwood), 4 to 6 ins. 5.00 40.00

6 to 9 ins. 6.00 50.00

9 to 12 ins. 8.00 60.00

Magnolia grandiflora, seeds selected for these seedlings were from trees with large leaves, brown underneath. 2 to 4 ins. 7.50 60.00

2 to 6 ins. 10.00 85.00

Mahonia bealei (japonica), 2 to 4 ins. 6.00 50.00

LINERS GROWN FROM CUTTINGS

Abelia Edward Goucher, 6 to 9 ins. 12.00 100.00

9 to 12 ins. 15.00 120.00

Abelia grandiflora, 6 to 9 ins. 10.00 75.00

9 to 12 ins. 14.00 120.00

Foraythia Spring Glory, 6 to 9 ins. 6.00 50.00

Hex crenata microphylla, 6 to 9 ins. 15.00 120.00

Hex crenata rotundifolia, 6 to 9 ins. 85.00 85.00

field-grown, T. 6 to 9-in. spread 25.00 200.00

field-grown, T. 9 to 12-in. spread 40.00 350.00

Jasminum floridum, 4 to 6 ins. 10.00 80.00

Juniperus depressa plumosa (Andorra Juniper), field-grown, T. 9 to 12-in. spread 25.00 200.00

Juniperus hetzi, field-grown, T. 9 to 12-in. spread 25.00 200.00

Kerria japonica, 6 to 9 ins. 15.00 120.00

9 to 12 ins. 20.00 175.00

Magnolia soulangeana, 1-yr., 6 to 9 ins. 30.00 275.00

Viburnum burkwoodii, 4 to 6 ins. 17.50 150.00

6 to 9 ins. 20.00 175.00

Viburnum carlesii (Fragrant Snowball), 6 to 9 ins. 25.00 200.00

Viburnum lentana, 6 to 9 ins. 10.00 85.00

9 to 12 ins. 12.00 100.00

Viburnum opulus sterile (Common Snowball), 4 to 6 ins. 10.00 80.00

Viburnum rhytidophyllum (Leather-leaved), 4 to 6 ins. 12.00 100.00

Viburnum tomentosum plicatum (Japanese Snowball), 4 to 6 ins. 15.00 120.00

6 to 9 ins. 20.00 175.00

9 to 12 ins. 25.00 225.00

Weigela vaniciei, 4 to 9 ins. 10.00 80.00

POTTED PLANT

Euonymus coloratus, 2 1/4-in. pots 15.00 120.00

ROOTED LAYERS

Euonymus coloratus, 6 to 9 ins. 7.50 60.00

Foraythia Spring Glory, 6 to 9 ins. 35.00

Spiraea thunbergii, 6 to 9 ins. 35.00

Spiraea vanhouttei, 6 to 9 ins. 35.00

(Plants packed for shipment free of charge.)

We offer specimen trees in the following varieties in quantity:

Cornus florida (White-Flowering Dogwood)

Cornus florida alba plena (double White-Flowering Dogwood)

Cornus florida rubra (deep Pink or Red-Flowering Dogwood)

Malus (Flowering Crab Apples): Alameda

Almey, Arrow, atrosanguinea, eleyi, floribunda

purpurea, Geneva, Gloriosa, Hops, Red Silver, scheideckeri

Prunus serrulata Kwanzan (Kwanzan Flowering Cherry)

Trucks available at reasonable rates.

Speedy truck freight deliveries.

THE SOUTHERN NURSERY AND LANDSCAPE CO.

Winchester, Tenn.

Established 1872 Phone WO 7-2302

HEAVY UNROOTED CUTTINGS

Straight and sturdy, real nice cuttings, all 6 ins. up. No weak tips.

JUNIPERS, Armstrong, Hetz, Kallay (compact), Pfitzer, blue Pfitzer, \$25.00 per 1000.

TAXUS, cuspidata (8 ins.), hatfieldi, hicksi, \$20.00 per 1000.

TAXUS, baccata repandens, densiformis, \$30.00 per 1000.

Allow for 10 lbs. postage per 1000, otherwise sent express. 250 of one variety at 1000 rate. Minimum order 1000.

JOHN VERMEULEN & SON, INC., Neshanic Station, N. J.

EVERGREENS

See our complete listing in this issue

In our double page ad.

T. G. OWEN & SON, INC. Columbus, Miss.

EVERGREENS

Andorra Juniper, 6 to 8 ins., bare-root \$0.05

Blue Hets Juniper, 6 to 8 ins., bare-root05

Burk Juniper (upright), 6 to 8 ins., bare-root12

Compact Pfitzer Juniper (Niek's), 6 to 8 ins., bare-root08

Geo. Peabody American Arborvitae, 6 to 10 ins., bare-root06

Golden Pfitzer Juniper, 6 to 8 ins., bare-root12

Greek Juniper, 6 to 8 ins., bare-root12

Hill's Dark Green American Arborvitae, 6 to 8 ins.12

Pfitzer Juniper, 6 to 8 ins., bare-root06

Pfitzer Juniper, 6 to 10 ins., bare-root06

Pfitzer Juniper, plant bands16

Rosefield's Montana Green Juniper (scapolorum), semi-dwarf, requires no trimming; 6 to 8 ins., bare-root30

Rosefield's Moonlight Juniper (scapolorum), a denser Blue Heaven; 6 to 8 ins., bare-root30

Spreading Jap. Yew (Taxus cuspidata), 2-yr. plant bands20

6 to 10 ins., bare-root10

Von Ehron Juniper, 6 to 10 ins., bare-root06

Taxus hicksii (Hick's Yew), 6 to 10 ins.10

DECIDUOUS, BARE-ROOT

Blue-leaved Arctic Willow, 10 to 12 ins.05

Foraythia Arnold's Dwarf, very dwarf, 5 to 6 ins.08

Foraythia Arnold's Giant, 5 to 6 ins.07

Foraythia Beatrix Farrand, 5 to 12 ins.06

Foraythia Lynwood Gold, 5 to 13 ins.04

Foraythia nana compacta, 5 to 8 ins.04

Foraythia Spring Glory, 5 to 13 ins.04

Hydrangea A.G., 6 to 8 ins.08

Hypericum Hidcoke, 8 to 13 ins.04

Hypericum kalmianum, 8 to 12 ins.04

Hybrid Elm, 10 to 15 ins.14

Honeysuckle, sabell, 10 to 13 ins. (bush)04

Honeysuckle (vine), giant flowering, everblooming, 8 to 12 ins.04

Clavey's dwarf bush Honeysuckle, 10 to 12 ins.04

Privet, golden vicari (all yellow), 6 to 8 ins.06

Privet, Ledense, 6 to 10 ins.04

Privet, Regala, 8 to 10 ins.04

Spiraea macrothyra, everblooming pink plumes, 8 to 12 ins.04

Viburnum opulus sterile (Snowball), 6 to 8 ins.08

Weigela rosea, 6 to 12 ins.04

Weigela vaniciei, 5 to 6 ins.06

BROADLEAFS

Euonymus carrierei, a small leaf patens, 8 to 10 ins.04

Euonymus coloratus, 8 to 10 ins.04

Euonymus patens Flagpole, small leaf, 8 to 10 ins.04

Euonymus patens, large leaf, 8 to 10 ins.04

Euonymus patens Newport, medium leaf, 8 to 10 ins.04

Euonymus patens Owen, small leaf, 8 to 10 ins.04

Euonymus patens, small leaf, 8 to 10 ins.04

Euonymus radicans erectus, a small leaf patens, 8 to 10 ins.04

Euonymus patens Rosehill, medium leaf, 8 to 10 ins.04

Euonymus radicans, upright (Barcoxi), 5 to 6 ins.07

LINING-OUT STOCK—Continued

LINING-OUT STOCK		
Bedded 1-yr. in the open.	100	1000
Ilex convexa	20.00	180.00
Ilex rotundifolia	20.00	180.00
Ilex hetzi	20.00	180.00
Juniperus pfitzeriana	20.00	180.00
Juniperus hetzi	20.00	180.00
Taxus andersonii	20.00	175.00
Taxus brevifolia	20.00	175.00
Taxus capitata, cutting-grown	25.00	225.00
Taxus capitata Adams,		
cutting-grown	25.00	225.00
Taxus canadensis stricta	16.00	150.00
Taxus cuspidata	17.50	150.00
Taxus hatfieldi	17.50	150.00
Taxus hunnewelliana	17.50	150.00
Taxus hicksii	17.50	150.00
Taxus intermedia	17.50	150.00
Taxus henryi	20.00	175.00
Taxus densiformis	20.00	175.00
Taxus veruculeni	17.50	150.00
Taxus wardii	17.50	150.00
Taxus Moon's columnaris	20.00	175.00
Taxus browni	17.50	150.00

2-yr. bedded in the open.		
Ilex convexa, 6 to 9 ins.	25.00	200.00
Ilex rotundifolia, 6 to 9 ins.	25.00	200.00
Ilex hetzi, 6 to 9 ins.	25.00	200.00
Taxus Adams col., 12 to 15 ins.	50.00	450.00
Taxus Moon's col., 8 to 12 ins.	30.00	250.00
Taxus cuspidata, 6 to 9 ins.	30.00	250.00
Taxus hatfieldi, 6 to 9 ins.	30.00	250.00
Taxus cuspidata comp.		
6 to 9 ins.	30.00	250.00
Taxus hunnewelliana, 6 to 9 ins.	30.00	250.00
Taxus browni, 6 to 9 ins.	30.00	250.00
Taxus intermedia, 6 to 9 ins.	30.00	250.00

TAXUS CAPITATA, SEEDLING-GROWN		
1-yr. seedlings	100	1000
2-yr. seedlings	10.00	90.00
3-yr. seedlings	17.50	150.00
4-yr. seedlings, trans-		
planted, 6 to 10 ins.	30.00	250.00
CORNUS FLORIDA (WHITE DOGWOOD)		
seedlings	100	1000
1-yr. No. 1 grade	6.00	50.00
1-yr. No. 2 grade	5.00	40.00
1-yr. No. 3 grade	4.00	30.00
2-yr. No. 1 grade	12.50	100.00
2-yr. No. 2 grade	10.00	90.00
2-yr. No. 3 grade	10.00	90.00
Special prices on large quantities.		
Full list on demand.		

VERKADE'S NURSERIES, WAYNE, N. J.

LINING-OUT STOCK		
Full 1959 Spring 1960.		
150 Azalea calendulacea	Each	
9 to 12 ins., 3-yr., TT		\$0.50
200 Azalea Ghent, 6 to 9 ins., 3-yr., TT		.50
500 Azalea japonica, 6 to 9 ins., 3-yr., TT		.50
200 Azalea japonica, 9 to 12 ins., 3-yr., TT		.60
200 Azalea kacamper, 9 to 12 ins., 3-yr., TT		.60
500 Azalea mucronulata, 9 to 12 ins., 3-yr., TT		.60
100 Azalea ponticum, 6 to 9 ins., 3-yr., TT		.50
1000 Clethra alnifolia rosea, 12 to 15 ins., 3-yr., TT		.45
500 Pieris japonica, 6 to 9 ins., 3-yr., TT		.40
160 Rhododendron fortunei hybrida, 6 to 9 ins., 3-yr., TT		.60
150 Rhododendron fortunei hybrida, 9 to 12 ins., 3-yr., TT		.75
1000 Rhododendron carolinianum, 6 to 9 ins., 3-yr., TT		.55
500 Rhododendron carolinianum, 9 to 12 ins., 3-yr., TT		.65
200 Rhododendron carolinianum album, 6 to 9 ins., 3-yr., TT		.60
500 Rosa rugosa alba, 9 to 15 ins., 1-yr. grafts		.45
Samples sent on request.		

THE CAPE COD NURSERIES
H. V. LAWRENCE, INC.
Falmouth, Mass.

ROOTED CUTTINGS FOR POTTING		
Ilex burfordii	6c	
Ilex convexa	6c	
Ilex Foster's No. 2	6c	
Ilex rotundifolia	6c	
Magnolia soulangeana	6c	
Heavily rooted in sand.		
Packed in damp sphagnum moss.		
Free packing, cash with order, please.		
NAUGHER NURSERY, INC.		
Chase, Ala.		

FROM OPEN BEDS AND FIELD ROWS		
Ilex rotundifolia, rooted in August	4c	
Ilex burfordii, rooted in June	4c	
Ligustrum lucidum, rooted in August	2 1/2c	
Euconymus patens, 4 to 6 ins.	3c	
8 to 12 ins., 2-yr., field	3c	
Abelia grandiflora, 6 to 12 ins., field	6c	
English Ivy, rooted cuttings	2c	
Nandina, seed, 600 lbs., \$1.00 per lb.		
E. F. DuBOISE NURSERY		
Huntsville, Ala.		

EVERGREENS AND DECIDUOUS SHRUBS		
Please write for the complete list of our stock or refer to the November 1, 1959 issue under the same classification.		
WEST END GREENHOUSES		
Al Nordheden, Horticulturist		
Box 12, 1200 W. Goodwin	Urbana, Ill.	

POT-GROWN GRAFTS

All our understocks are potted up during the spring, grown in frames in pots all summer and grafted the following winter, ensuring the best root system to be grown and assures minimum losses.

Per 100		
*Acer palmatum atropurpureum	75.00	
*Carpinus betulus fastigiata	60.00	
Cedrus atlantica glauca	75.00	
Cedrus atlantica aurea	100.00	
*Cornus florida rubra	60.00	
*Cornus florida rubra Prosser	60.00	
*Cornus florida pendula	60.00	
*Cornus florida flore-plena	60.00	
*Cornus florida welchii var.	65.00	
*Cornus kousa chinensis	60.00	
*Cornus kousa speciosa	60.00	
*Hamamelis mollis	50.00	
*Hamamelis brevifolia	100.00	
*Fagus sylvatica Tricolor	75.00	
*Fagus sylvatica rivera	60.00	
*Fagus sylvatica pendula	60.00	
*Fagus sylvatica heterophylla	60.00	
*Fagus sylvatica fastigiata	60.00	
*Magnolia stellata	75.00	
*Magnolia stellata rubra	75.00	
*Magnolia stellata Waterlily	75.00	
Magnolia yulan	75.00	
Magnolia cordata (yellow)	75.00	
Picea pung. glauca moerhousii	100.00	
Pinus cembra	60.00	
Pine, Tanyosho	60.00	
Viburnum carlesii	50.00	
Viburnum acerifolium	50.00	
Viburnum burkwoodii	50.00	
Viburnum chinensis	50.00	
Varieties marked with an asterisk can be supplied in 1-yr., field-grown bedded plants, at \$15.00 per 100 extra above the pot-grown grafts.		

VERKADE'S NURSERIES, WAYNE, N. J.

LINING-OUT STOCK		
Dwarf Euconymus	Gardenia fortunei	
Gardenia radicans	Ilex rotundifolia	
Viburnum odorat.	Ligustrum lucidum	

PRICES OF ABOVE LINING-OUT STOCK

10 100 1000		
3 to 5 ins., rooted cuttings	\$0.75	\$5.00 \$40.00
4 to 6 ins., rooted cuttings	1.00	4.00 50.00
6 to 8 ins., rooted cuttings	1.50	10.00 80.00
8 to 12 ins., rooted cuttings	2.00	12.50 100.00
Berckmans' Arboret.	Hets Juniper	
Buxus japonica	Ilex burfordii	
Buxus harlandii	Podocarpus	

PRICES OF ABOVE LINING-OUT STOCK

10 100 1000		
3 to 5 ins., rooted cuttings	\$1.00	\$6.00 \$50.00
4 to 6 ins., rooted cuttings	1.50	8.00 75.00
6 to 8 ins., rooted cuttings	2.00	12.50 100.00

FLOWERWOOD NURSERY, INC.

H. A. Lyons, Manager
P. O. Box 135 Phone 3-8791 Cairo, Ga.

LINING-OUT STOCK

Per 100 Per 1000		
Gardenia fortunei, 8 to 12 ins.	\$12.00	\$110.00
Gardenia fortunei, 12 to 18 ins.	15.00	140.00
Gardenia Mystery, 8 to 12 ins.	12.00	110.00
Gardenia Mystery, 12 to 18 ins.	15.00	140.00
Gardenia radicans, 6 to 8 ins.	12.00	110.00
Gardenia radicans, 8 to 12 ins.	15.00	140.00
Ilex crenata Billoxi, 6 to 8 ins.	17.00	150.00
Ilex crenata Billoxi, 8 to 12 ins.	20.00	180.00
Ilex crenata Bullata, 6 to 8 ins.	17.00	150.00
Ilex crenata Bullata, 8 to 12 ins.	20.00	180.00
Ilex crenata divaricata, 6 to 8 ins.	15.00	140.00
Ilex crenata divaricata, 8 to 12 ins.	17.00	150.00
Ilex crenata repandens, 6 to 8 ins.	15.00	140.00
Ilex crenata repandens, 8 to 12 ins.	17.00	150.00
Ilex crenata rotundifolia, 6 to 8 ins.	12.00	110.00
Ilex crenata rotundifolia, 8 to 12 ins.	15.00	140.00
Ilex glabra, 8 to 12 ins.	15.00	140.00
Ilex opaca East Palatka, 8 to 12 ins.	15.00	140.00
Lonicera yunnanensis, 8 to 12 ins.	12.00	110.00
250 plants or more of one variety and size take the 1000 rate.		

BLACKWELL NURSERIES

Semmes, Ala.

MAGNOLIAS

ORIENTAL MAGNOLIAS
We specialize in cold storing top-quality Oriental Magnolias. We are also taking Ilex orders for spring.

Write for wholesale price list.

SHADY PARK NURSERY

R. R. 2 Columbia City, Ind.

MAPLES

COLLECTED ACER RUBRUM AND SACCHARUM from whips to 4-in. caliper.
CURTIS NURSERIES, INC.
Callicoon, N. Y.

JAPANESE RED MAPLE

Acer palmatum atropurpureum seedlings. Carefully selected for good red color. From open field and outdoor beds.

Each 250 or more		
2-yr., light branched, 8 to 10 ins.	\$0.33	\$0.30
2-yr., light branched, 10 to 12 ins.	.38	.35
2-yr., light branched, 12 to 15 ins.	.45	.42

SPECIAL OFFER

2-yr. transplants, nicely branched, 12 to 15 ins. \$0.55 \$0.50
3-yr. transplants, nicely branched, 12 to 15 ins. .80 .75
Shipped dormant, packed in sphagnum.
20 per cent deposit on all orders, balance before delivery or C.O.D.

HUBBS NURSERIES

512—Route 130 Riverton, N. J.
Specializing in Red Maples 15 years

NORWAY MAPLE

Straight trunks. Fine heads. Very fibrous roots.		
6 to 8 ft.	10-49	50-250
8 to 10 ft., 1 to 1 1/2 in.	4.05	3.25
9 to 11 ft., 1 1/4 to 1 1/2 in.	5.30	4.25
10 to 12 ft., 1 1/4 to 1 1/2 in.	7.00	5.50
11 to 13 ft., 1 1/4 to 1 1/2 in.	8.00	6.50

PRINCETON NURSERIES

Princeton, N. J.

NORWAY MAPLE

2-yr.-old lining-out stock.		
2 to 3 ft.	\$3.00	\$7.00
3 to 4 ft.	15.00	125.00
18 to 24 ins.	7.00	60.00
12 to 18 ins.	6.00	50.00
9 to 12 ins.	5.00	40.00

SANDY NURSERY

R. 1, Box 1162 Sandy, Ore.
Acers, saccharum and rubrum, root-pruned, field specimens, 2-in. to 12-in. caliper.
R. H. Rogers Nursery, Cooperstown, N. Y.

PACHISTIMAS

PACHISTIMA CANBYI

Broad-leaved evergreen shrub. Very choice because of its dwarfness, small dark foliage and general neatness. Use as a connecting plant in foundation planting. Can be used as a ground cover, but it is slow to spread.
3-yr., T., \$40.00 per 100, \$350.00 per 1000.
C. HOOGEENDOORN, NURSERYMAN
408 Turned Rd. Newport, R. I.

PACHYSANDRAS

PACHYSANDRA TERMINALIS

Per 100 Per 1000		
1-yr., field-grown	\$5.00	\$45.00
(Lots of 5000, \$40.00 per 1000)		
2-yr., field-grown	7.50	70.00
Free packing. Phone MOhawak 4-3923.		
HANSEN BROS. NURSERIES, INC.		
1265 Montgomery Ave.	Narberth, Pa.	

Pachysandra, strong plants, grown in soil frames with light shade. First-class stock, \$50.00 per 100, \$53.00 per 1000; \$49.00 per 1000 for 5000 or more, including good packing. Peekskill Nursery, Shrub Oak, N. Y.

PACHYSANDRAS

Strong rooted cuttings, \$4.25 per 100, \$40.00 per 1000.		
1-yr., field-grown	\$6.00	\$50.00

DUNWOODIE NURSERIES

6 Smart Ave. Yonkers, N. Y.

PACHYSANDRA TERMINALIS

1-yr., field-grown, \$6.00 per 100.

HILLCREST GREENHOUSES

Miller Park Franklin, Pa.

PEONIES

PEONIES

Adolphe Rousseau, Baroness Schroeder, Duchesse de Nemours, Festiva Maxima, Sarah Bernhardt, Lady Alex. Duff, Marie Lemoine, Mons. Jules Elie, Reine Hortense.

3-yr.-old, whole clumps, not divided. 6 eyes and up, \$75.00 per 100, \$700.00 per 1000; division, 3 to 5 eyes, \$40.00 per 100, \$350.00 per 1000.

VERKADE'S NURSERIES, WAYNE, N. J.

Small Ads Do Great Things in the American Nurseryman Classified Section.

PHLOX

HARDY PHLOX

Ask for our new listing on field-grown garden Phlox and Phlox subulata (Creeping Phlox). If interested in 5000 or more plants ask for our special quantity discount.

R. R. 2 WALTERS GARDENS Zeeland, Mich.

PHLOX SUBULATA

See our ad in the November 1 issue.

VAN ENGEL'S

KALAMAZOO GARDENS NURSERY

206 Richard Ave. Kalamazoo, Mich.

PIERIS

PIERIS JAPONICA (ANDROMEDA)
Each Each
per 100 per 1000
3-yr. TT. heavy, 9 to 15 ins. ..\$0.50 \$0.45
Heavy, 15 to 18 ins. B&B 2.00
Heavy, 18 to 24 ins. B&B 2.50
Heavy, 2 to 2 1/2 ft. B&B 3.50
C. HOOGEENDOORN
WHOLESALE NURSERYMAN
413 Turner Rd. Newport, R. I.

PRIVET

Thousands of Amur River North Privet.
Per 100 Per 1000
18 to 24 ins.\$3.00 \$25.00
2 to 3 ft. 4.00 30.00
3 to 4 ft. 5.00 40.00
Immediate shipment. Satisfaction guaranteed. Robinson Nursery Co., Greenville, Ga.

RHODODENDRONS

OWN-ROOT
RHODODENDRONS
STRONG SPRING LINERS.
Now booking from our long list of outstanding commercial varieties.
Group 1\$ 75.00 per 100
Group 2 100.00 per 100
WELLS NURSERY
P. O. Box 141 Red Bank, N. J.
Phone SHadyside 1-0180.

OWN-ROOT
RHODODENDRONS
America, red; 12 to 15 ins., bushy, budded.
\$30.00 per 100
WELLS NURSERY
P. O. Box 141 Red Bank, N. J.
Phone SHadyside 1-0180.

HYBRID RHODODENDRONS
Excellent quality.
for landscaping and garden centers.
PARMENTIER'S ROSES
Bayport, L. I., N. Y.
Phone Bayport 8-0811.

RHODODENDRON MAXIMUM
Nursery-grown and collected, 2 to 7 ft.
high. Well-shaped and symmetrical plants.
CURTIS NURSERIES, INC.
Callicoon, N. Y.

RHODODENDRONS
Rhododendron hybrid seedlings.
Write for our full trade list.
THE LEVICK NURSERY CO.
R. F. D. 3 Bridgeton, N. J.
100,000 hybrid Rhododendrons, any variety,
size, priced reasonably. Kordus Nursery,
Deer Park Ave., R. D. 4, Huntington, N. Y.

ROSEBUSHES

EVERBLOOMING MINIATURE ROSES
Beautiful little darlings. Like Hybrid Teas.
Seldom over 10 ins. tall. We ship branched
own-root, 2 1/2-in. pot size plants.
*Recommended for forcing Per 10 Per 100
Red, Spring Hill's choice\$4.00 \$35.00
Cupido, nearly black crimson. 4.50 40.00
*Dian (pat. 1808), soft red 8.50 60.00
Midget (pat. 446), tiny, rose-red 6.00
*Oakington Ruby, best red 4.50 40.00
Red Imp (pat. 1932), vivid red 6.00 55.00
*Zwerkonig, new crimson 6.00 55.00
White, Spring Hill's choice 4.00 35.00
*Cinderella (pat. 1051), double
white 5.50 50.00
Frosty (pat. 1412), big white 6.50
Pixie (pat. 408), tiny double
white 5.00 45.00
Polka Dot, finest big white 6.50 60.00
*White Fairy, free-flowering dbl. 5.00 45.00
Baby Gold Star (pat. 407),
double yellow 6.00
Jackie, large, double, cream
yellow 4.50 40.00
Pink, Spring Hill's choice 4.00 35.00
Lilac Time, lavender-pink 5.00 45.00
Mon Pett, deep rose 4.50 40.00
*Pink Fairy, cameo-pink 5.00 45.00
*Pompon de Paris, double pink. 4.50 40.00
Rouletti, Swiss alpine pink ... 5.00 45.00
*Spring Song, large, vivid pink. 6.00 55.00
Carolyn, new superb orange 7.00
*Presumida, orange, bicolor 4.50 40.00
O.B. Tipp City, O.
SPRING HILL NURSERIES CO.
Dept. AN-F-59 Tipp City, O.

FOR PROFITS

try our husky 2 1/2-in. pot plants
of PINK FAIRY (The Fairy).
Move up to larger pots or gallon cans or
use for special offers, etc.
\$35.00 per 100, \$300.00 per 1000.
Send for free folder and other information.
SEQUOIA NURSERY, VISALIA, CALIF.

ROSES

Profit-wise nurseries, garden centers and
mail-order firms depend on ARP ROSES.
Glittering packs to display. Bare-root for
container or landscape. All-America Selections.
Catalog and wholesale price list.
ARP NURSERY CO.
Box 3338-A Tyler, Tex.

10 BEST MINIATURES

Little "gems" for pot plants, cut flowers
and corsage work. Tinker Bell, bright pink;
Baby Gold Star, best true yellow; Pixie,
smallest fully double white; Robin, double,
deep red; Tom Thumb, crimson, white at
base; Cinderella, white touched with pink;
Midget, 3/4-in. bloom, deep rose, fragrant;
Sweet Fairy, rich pink to light pink, fragrant;
Red Imp, deep crimson, fully double;
Bo-Peep, arbutus-pink, double. Write for
prices.

THE CONARD-PYLE COMPANY
West Grove 220, Pa.

ROSEBUSHES

Big, thrifty plants, guaranteed to please
your most critical customers.
Priced to meet competition.
Shipped when you need them.
Standard and patent.
Bare-root and prepackaged.
A wide assortment to choose from.
Write, phone or wire for price list,
or better still come see for yourself.
MARTIN'S ROSE NURSERY
P. O. Box 155 Arp, Tex.

Phone UL 9-2191
ROSES, ROSES, ROSES
Dissatisfied with your Rose source?
Losing customers?
Ready to throw in the towel?
Cheer up and smile.
It'll be worth your while
To write for our list today.
No order too large or too small.
We personally take care of them all.
NEW LONDON ROSES
"The Rose Nursery"
P. O. Box 876 Overton, Tex.

MAKE MONEY
with MINIATURE ROSES
DIAN, Westmont. LOLLOPOP, Little
Scotch, BIT O' SUNSHINE, Patty Lou, MO-
NA RUTH, Pink Joy, PINK HEATHER,
Candy Cane and many others.
Free COLOR FOLDER, over 30 varieties.
See our list FIRST before you buy.

MOORE MINIATURE ROSES
SEQUOIA NURSERY, VISALIA, CALIF.

TREE ROSES
We have a good supply of top-quality,
Western-grown tree Roses, including the
popular varieties. Garden Party, Korde
Perfection, Fire King, Peace, Pink Peace and
Sterling Silver.
Write for complete list.
GERARD K. KLYN, INC.
Mentor, O.

FIELD-GROWN ROSEBUSHES
Standard varieties, No. 1, 50c. Patented
var. available at fixed prices. Budded on
seedlings with a fine root system, ideal for
potting or home planting. These Roses are
grown by us in Delaware. Price and variety
list on request.
DANEGER'S HI-WAY NURSERY, INC.
Box N336 Milford, Del.

ROSES
BARE-ROOT AND PACKAGED.
FULL SELECTION.
Patented and nonpatented varieties.
WRITE FOR LIST.
VERMAY NURSERY CO. Tyler, Tex.
Dallas Highway Phone LY 4-4432
Specializing in Roses Since 1923

Watch Your Results from
American Nurseryman Classified Ads.

For \$4.00

you can offer that surplus in a
classified ad of 10 lines on these
pages—quickly and easily turning
stock into cash.

At 40c PER LINE

you can keep a list of specialty
items before trade buyers through
the selling season at small cost.

Send your copy (count 6 average
words to line) for the January
15 issue to reach us December
24.

Forms for the February 1 issue
will close January 15.

AMERICAN NURSERYMAN

343 S. Dearborn St. CHICAGO 4, ILL.

ROSE STOCK

MULTIFLORA ROSE
Top quality plants for living fences and
conservation plantings.
Root-crown Approximate height Per 1000
caliper
2 to 3 mm. 8 to 15 ins. \$12.50
3 to 5 mm. 12 to 18 ins. 17.50
3 to 8 mm. 12 to 24 ins. 22.50
5 to 12 mm. 18 to 24 ins. 38.50
UNDERSTOCK. Straight shanked seed-
lings grown especially for understock. Nema-
tode free. Expertly graded to suit the most
particular.
4 to 6 mm.\$27.50 per 1000
2 to 4 mm. 17.50 per 1000
The above prices are F.O.B. Griggsville,
Ill., nursery. All tops cut back to 10 ins.
at shipping unless otherwise requested. Our
storage facilities are the best. ORDER NOW
for spring delivery. 10 per cent discount
in lots of 10,000 or over; special quotations
on larger quantities. For less than 1000 add
30 per cent. Packing at cost.
FARM LANDSCAPE CO.
Route 3 Urbana, Ill.

MULTIFLORA ROSE
(Rosa multiflora japonica)
Hardy, northern-grown stock of highest
quality. Upright thorny type for living
fences, conservation and budding under-
stock.
Our sandy soil produces the finest root
system. Nematode-free.
Root-stem Approximate height Per 1000
caliper
2 to 3 mm. 10 to 15 ins. \$12.50
3 to 8 mm. 12 to 14 ins. 22.50
4 to 6 mm. for budding 18 to 24 ins. 37.50
All stock will be shipped with tops cut
back to about 10 ins. unless stated otherwise.
F.O.B. Glen Head. Packing at cost. For
less than 1000, add 30 per cent. Orders of
10,000 or more earn 10 per cent discount.
We also have some excellent 3-yr.-old trans-
planted stock, about 2 to 4 ft. in height, ex-
tra strong, at 50c each.
BROOKVILLE NURSERIES
Box 52, Northern Blvd., Glen Head, N. Y.

THORNY ROSA MULTIFLORA
We have a good supply for fall and spring.
2 to 3 mm. caliper\$10.00 per 1000
3 to 6 mm. caliper 15.00 per 1000
6 to 12 mm. caliper 30.00 per 1000
Bed-run, 2 mm. up 12.50 per 1000
No packing charge. F.O.B. Mt. Vernon, Ill.
Write for quotations on larger amounts.

MESTEL NURSERY
Route 5 Mt. Vernon, Ill.

SEEDS

BELVOIR TRUE DWARF PEACH
(Selected strain of Flory Peach.)
Grows true from seed to 5 ft.
Double red flowers, white freestone fruit.
1959 crop. Hardy in U. S.
100 seeds, \$15.00; 250 seeds, \$30.00; 1000
seeds, \$100.00.
Postpaid in U. S. and Alaska. No C.O.D.
JOSEPH GRIMSHAW
36900 Mission Blvd. Niles, Calif.
Seed, new crop: Chinese Chestnuts (plant
now), lb., 35c. Ligustrum, lucidum, japoni-
cum and true Amur River, lb., \$1.00. Pyra-
canthus, red berried, lb., \$1.00. Nandinas,
red berried, lb., \$1.00. Cherry Laurel, lb.,
75c. Cash. No C.O.D. If by mail, add postage.
Mountville Nurseries, Mountville, Ga.

CONCOLOR FIR SEED
New crop, \$4.00 per lb.
Quantity prices at discount.
Write for catalog.
WESTERN EVERGREENS
Route 1 Golden, Colo.

Juniperus, virginiana (Missouri), clean
seed, \$3.00; virginiana (Platt River), clean
seed, \$3.50; scopulorum (Colo. or Dakota),
clean seed, \$3.50. Choke Cherry (Kan.), lb.,
60c. Forestry Seed Service, Cuba, Kan.

SHRUBS AND TREES

RUSSIAN OLIVE SEEDLINGS
6 to 12 ins.\$15.00 per 1000
12 to 18 ins. 20.00 per 1000
18 to 24 ins. 35.00 per 1000
2 to 3 ft. 50.00 per 1000
CHINESE ELM SEEDLINGS
12 to 18 ins. 15.00 per 1000
18 to 24 ins. 22.50 per 1000
2 to 3 ft. 30.00 per 1000
ROGERS & KOPPENHEFFER NURSERY
2020 Judson Dr. Manhattan, Kan.

RARE TREES

"Imports from all over the World."
Palma, Conifers, Magnolias, Tropicals.
Also seeds of many of the rare Oaks and
natives plus those of Africa, Asia, Australia,
Europe and South America, plus many in-
door exotics.
Send for all our listings today.
Araucaria excelsa, \$7.50 per 1000 fresh seeds.
CENTRAL NURSERY CO.
2675 Johnson Ave. San Luis Obispo, Calif.

SHRUBS and TREES—Continued

ROOTED CUTTINGS, 1-YR. BEDDED

	Per 100	Per 1000
Huxus sempervirens, 4 to 6 ins.	\$10.00	\$ 90.00
Chamaecyparis cyano viridis, 4 ins.	12.00	100.00
Chamaecyparis luteocens, 4 to 6 ins.	10.00	90.00
Ilex bullata, 4 to 6 ins.	12.00	100.00
Ilex crenata, 4 to 6 ins.	12.00	100.00
Juniper, Andorra, 4 to 8 ins.	12.00	90.00
Juniperus hibernica, 4 to 6 ins.	12.00	100.00
Juniperus hetszi, 4 to 6 ins.	12.00	100.00
Juniper, Pfitzer, 4 to 6 ins.	12.00	100.00
Juniperus stricta, 4 to 6 ins.	12.00	100.00
Juniperus communis aurea, 4 to 6 ins.	12.00	100.00
Pachysandra, 4 to 6 ins.	4.00	35.00
Pyracantha lalandi, 4 to 8 ins.	10.00	90.00
Pyracantha lalandi (potted), 4 to 8 ins.	15.00	100.00
Pieris japonica, 4 to 8 ins.	12.00	100.00
Retinispora plumosa aurea, 4 to 8 ins.	10.00	90.00
Retinispora plumosa, 6 to 8 ins.	10.00	90.00
Taxus brevifolia, 4 to 6 ins.	10.00	100.00
Taxus browni, 4 to 6 ins.	12.00	100.00
Taxus brevifolia, 4 to 6 ins.	12.00	100.00
Taxus capitata, tips, 6 to 8 ins.	15.00	125.00
Taxus cuspidata, 4 to 6 ins.	12.00	100.00
Taxus cuspidata F&F compacta, 4 to 6 ins.	15.00	125.00
Taxus hatfieldi, 4 to 6 ins.	12.00	100.00
Taxus henryi, 4 to 6 ins.	15.00	125.00
Taxus hicksii, 4 to 6 ins.	12.00	100.00
Taxus intermedia, 4 to 6 ins.	12.00	100.00
Taxus Moon's columnaris, 4 to 6 ins.	12.00	100.00
Taxus repandens, 4 to 8 ins.	12.00	100.00
Thuja globosa, 5 to 8 ins.	12.00	100.00
Thuja pyramidalis, 4 to 6 ins.	10.00	90.00
Thuja nigra, 5 to 8 ins.	10.00	90.00

ROOTED CUTTINGS, 2-YR. BEDDED

Juniper, Andorra, 6 to 10 ins.	\$20.00	\$200.00
Juniper, Hetszi, 8 to 12 ins.	20.00	200.00
Juniper, Pfitzer, 8 to 12 ins.	20.00	200.00
Retinispora pisifera aurea, 8 to 12 ins.	20.00	200.00
Retinispora plumosa aurea, 8 to 12 ins.	20.00	200.00
Retinispora plumosa, 8 to 12 ins.	20.00	200.00
Pieris japonica, 6 to 10 ins.	20.00	200.00
Taxus cuspidata, 6 to 8 ins.	25.00	200.00
Taxus cuspidata F&F compacta, 6 to 8 ins.	20.00	200.00
Taxus browni, 6 to 8 ins.	25.00	200.00
Taxus hicksii, 6 to 8 ins.	25.00	200.00
Taxus brevifolia, 6 to 8 ins.	25.00	200.00
Thuja nigra, 8 to 12 ins.	20.00	200.00
Thuja globosa, 8 to 10 ins.	20.00	200.00

1-YR. SEEDLINGS

Cornus florida, 12 to 14 ins.	\$ 5.00	\$ 40.00
Taxus capitata, 12 to 14 ins.	5.00	40.00
Fagus sylvatica, 6 to 12 ins.	10.00	90.00

2-YR. SEEDLINGS

Taxus capitata (grown from Japanese imported seed), 4 to 6 ins.	\$ 7.00	\$ 60.00
---	---------	----------

(Special price on large quantity.)

4-YR. SEEDLINGS, TRANSPLANTED		
Leucothoe catesbaei, 10 to 14 ins.	\$35.00	

Picea engelmannii, 5 to 8 ins.	8.00	70.00
Picea excelsa, 6 to 12 ins.	8.00	70.00
Picea pungens glauca, 6 to 10 ins.	12.00	100.00
Pinus strobus, 6 to 10 ins.	10.00	100.00
Thuja occidentalis, 8 to 12 ins.	12.00	100.00
Tsuga canadensis, 5 to 8 ins.	10.00	100.00
Tsuga canadensis, 8 to 10 ins.	15.00	140.00
Tsuga canadensis, 10 to 12 ins.	20.00	190.00

VAN DINE NURSERY

287 Berdan Ave. Wayne, N. J.

DWARF MAHONIA

Jack Mayhan is authority on mountain-crown Mahonia. This is a new variety selection, hardy as Oak. Very compact, dwarf. Ready now. 100,000 plants. All plants U. S. D. A. inspected. Cash in on my many years' experience.

2-yr. T. \$20.00 per 100. \$150.00 per 1000.

5 to 6-yr. finished plants, \$3.00 each.

Cash with order. Full return 5-day privilege.

MAYHAN NURSERY, VERADALE, WASH.

WHITE-FLOWERING REDBUD

(Cercis canadensis alba.)
A rare tree with paper-white blossoms. Illustrated and described in the October 15 issue of the American Nurseryman, pages 15 and 16. All sizes have bloom buds.

12 to 18 ins., liners.....\$0.90

18 to 24 ins., liners.....1.25

2 to 3 ft.....1.75

3 to 4 ft.....2.00

WARREN AND SON NURSERY

Rt. 11, Box 341, Oklahoma City 10, Okla.

NURSERY STOCK

Taxus, Rhododendron, Hollies, Azaleas, Magnolias, Euonymus, Boxwood, etc. Choice quality well-graded stock, finished and lining-out sizes. Catalog now available.

GERARD K. KLYN, INC.

Mentor, O.

In the heart of famous Lake County.

EVERGREENS

PRE-INVENTORY SURPLUS LIST

	Each	100	1000
Arborvitae			
American, 2-yr. bed	\$0.18	\$0.15
3-yr.22	.20
Globe, 2-yr. bed18	.15
3-yr.22	.20
8 to 12 ins., 5-yr.55	.50
Pyramidal, 2-yr. bed18	.15
3-yr.22	.20
18 to 24 ins., 5-yr.55	.50
Junipers, Andorra, 3-yr.22	.20
fastigiata, 3-yr.22	.20
18 to 24 ins., 5-yr.55	.50
hetszi, 2-yr. bed18	.15
15 to 18 ins., 5-yr.60	.55
Pfitzer, 2-yr. bed18	.15
3-yr.22	.20
12 to 15 ins., 4-yr.38	.32
15 to 18 ins., 5-yr.55	.50
Savin, 2-yr. bed18	.15
Pine, Mugho, 10 to 12 ins.45	.40
Euonymus erectus, 2-yr. bed15	.12
3-yr. field32	.30
Flowering Almond, 18 to 24 ins.40	.35
Foraythia spectabilis, 4 to 5 ft.45	.40
Philadelphus virginialis, 15 to 18 ins.20	.18

SHADE TREES

Chinese Elm, 1 to 1½-in.	1.00
1½ to 2 ins.	1.50
2 to 2½ ins.	2.00
2½ to 3 ins.	2.50
Scamora, 5 to 6 ft.	.50

Silver Maple, 6 to 12 ins.

seedlings, \$ 2.00 per 100, \$10.00 per 1000

12 to 24 ins., 4.00 per 100, 20.00 per 1000

2 to 3 ft. 10.00 per 100, 50.00 per 1000

3 to 4 ft. 15.00 per 100, 75.00 per 1000

4 to 5 ft. 20.00 per 100, 100.00 per 1000

6 to 8 ft. T. \$0.75 \$0.65

8 to 12 ft. T. 1.50 1.35

Free boxing and packing. One-fourth pay-

ment will hold your order for spring. 2 per

cent discount, cash with order. Prices are

subject to change without notice.

WILL ROOT YOUR CUTTINGS FOR YOU.

Write for information and price list.

RICHARDSON NURSERIES, INC.

53947 Fir Rd., R. 1 Granger, Ind.

LANDSCAPE MATERIAL

Acer platanoides, 6 to 8 to 10 to 12 ft.

Cham. plumosa, 12 to 15 to 18 to 24 ins.

Cham. plumosa aurea, 12 to 15, 18 to 24 ins.

Cornus florida, 3 to 4 to 6 to 8 ft.

Cotoneaster divaricata, 2 to 3 ft.

Crataegus cordata, 2 to 3 to 4 to 5 ft.

Cryptomeria japonica lobbi compacta, 12 to

18 ins. to 3 to 4 ft.

Juniperus stricta, 12 to 15 to 18 to 24 ins.

Laburnum vomii, 5 to 6 ft.

Koeleruteria paniculata, 2 to 3 to 4 to 5 ft.

Pieris japonica, 12 to 15 to 18 to 24 ins.

Sorbus aucuparia, 5 to 6 to 8 to 10 ft.

Syringa vulgaris, 2 to 3 to 4 to 5 ft.

Syringa vulgaris alba, 2 to 3 to 4 to 5 ft.

Taxus, in varieties, 12 to 15 to 18 to 24 ins.

Viburnums, in var., 12 to 15 to 18 to 24 ins.

VERKADE'S NURSERIES

New London, Conn.

SHRUBS AND TREES

Per 100 Per 1000

Fagus sylvatica, 1-yr. seedlings,

grafting size, 6 to 8 ins. \$ 5.50 \$ 55.00

Liquidambar styraciflua, 1-yr.

seedlings, 6 to 9 ins. 7.50 65.00

Liquidambar styraciflua, 1-yr.

seedlings, 9 to 12 ins. 9.00 80.00

Quercus palustris, 2-yr., T. FR.

12 to 15 ins. 20.00 150.00

Tilia cordata, 2-yr., T. FR.

15 to 24 ins. 25.00 200.00

Viburnum dilatatum, 2-yr. beds,

12 to 24 ins. 6.50 55.00

Zelkova serrata (subs. for

American Elm), 1-yr. seed-

lings, 9 to 12 ins. 15.00 120.00

(Not subject to Dutch Elm disease.)

BOULEVARD NURSERIES, INC.

Newport, R. I.

Phone VI 6-1263

European White Birch, 5 to 12 ft.

Cut-leaved Weeping Birch, 4 to 7 ft.

European Mountain Ash, 5 to 12 ft.

Modesto Ash, 8 to 12 ft.

Paul's Scarlet Thorn, 5 to 10 ft.

Flowering Crab, over 25 varieties, 4 to 10 ft.

Flowering Plum, 4 to 10 ft.

Flowering Cherry, 4 to 8 ft.

Weeping Flowering Cherry, Nos. 1 and 2

Norway Maple, platanoidea, column and

globe, 5 ft. and up

Faassen's Black Maple, 6 to 12 ft.

Trees are all 2-yr.-old and well branched;

the best.

Villa Nurseries, Montavilla Sta., P. O. Box

5137, Portland, Ore.

CUTTING WOOD, TAXUS AND ILEX.

Strong unrooted cuttings of Taxus, anderson-

soni, cuspidata and hicksii, \$20.00 per 1000.

Ilex, convexa, convexa hetszi and rotundifolia,

\$15.00 per 1000. Cash, please.

CHARLES J. KOHANKIE

1000 W. Jackson St. Painesville, O.

Pines, 6 to 8 ins., seedlings, 10c.

Please see complete list, page 57.

Templeton, Phytotektor, Winchester, Tenn.

Sequoia gigantea, 2-yr., 3 to 6 ins., \$30.00

per 1000. Arizona Cypress, same size, \$25.00.

F.O.B. Fulton V. Smith Co., Sheridan, Ore.

ORNAMENTAL TREES

Crab Apple, 40 varieties; 1-yr. trees and limited number 4-yr. transplants. Descriptive booklet available.

Thunder Cloud Plum, purple-leaved; 1-yr. and 4-yr., 8 ft. up.

Winter King Hawthorn, fruits ornamental all winter; 1-yr. whips.

American Holly, hardy named varieties, in sizes to 6 ft.

Taxus and large plants of Magnolia sou-

langeana.

SIMPSON ORCHARD CO., INC.

1504 Wheatland Rd., Vincennes, Ind.

Phone 489-3

RARE SHADE TREE LINERS

Increase your sales with our quality

flowering, shade, shrubs, fruit tree liners.

Reasonable prices. Send want list.

GLOBE NURSERIES

Box 249 McMinnville, Tenn.

Quercus rubra (Red Oak), root-pruned,

field specimens, 2 to 8-in. caliper.

R. H. Rogers Nursery, Cooperstown, N. Y.

Elaeagnus pungens, liners, 8 ins. up, 12c;

1000, \$100.00.

Mountville Nurseries, Mountville, Pa.

Schlpka Laurel, heavy rooted cuttings, 10c.

Please see complete list on page 57.

Templeton, Phytotektor, Winchester, Tenn.

TAXUS

TAXUS CAPITATA

(Upright Japanese Yew.)

Per 100 Per 1000

*15,000 2-yr. selected seedlings,

4 to 6 ins. \$0.15 \$0.12½

15,000 4-yr. T. 10 to 15 ins.45 .40

*Seed sown lightly. Plants grown with plenty

of room in beds.

C. HOOGENDOORN

Turner Rd. Newport, R. I.

20,000 TAXUS CAPITATA

2-yr. seedlings from Japanese seed. 3½

to 7 ins., nice. Liberal discount. 5 per cent

discount for cash before December 31.

RITTER'S NURSERY, BENTON, PA.

VIBURNUMS

VIBURNUM CARLESI

(Fragrant Mayflower Viburnum)

Per 100 Per 1000

5,000 2-yr. seedlings,

4 to 6 ins. \$0.15 \$0.12½

6 to 8 ins.20 .17½

8 to 12 ins.30 .25

*1000 3-yr. T. 12 to 15 ins.75 .60

*Heavy, well-branched, suitable for mail

order trade.

C. HOOGENDOORN

Turner Rd. Newport, R. I.

VIBURNUM CARLESI COMPACTA (NEW)

This is a compact form of Viburnum carlesi

with dark green leaves and buds up very

readily. 100 1000

2500 2-yr. grafts \$1.25 \$1.00

C. HOOGENDOORN

Turned Rd. Newport, R. I.

Viburnum liners, juddi, chenaulti, macro-

cephalum sterile, rhytidophyllodes and to-

mentosum plicatum grandiflorum.

Please see complete list on page 57.

Templeton, Phytotektor, Winchester, Tenn.

WANTED

WANTED

White Horse Chestnut, 500 1-yr. seedlings,

BURLAP FOR THE NURSERYMAN
Low cost burlap bags for the nurseryman. Write for prices on your needs and compare to the cost of your present supplier. Also have peanut hulls for sale. Make excellent mulch for nursery plants.
Write for prices.
WILDER BROS. BAG CO.
5325 E. Princess Anne Rd.
Norfolk 2, Va.

HOLLAND BURLAP squares, for all needs. PLAIN, ROT-NOT-GREEN, plastic preserved. HALF MOON CO., Box 27A, Plainfield, N. J.

Turn Stock into Dollars by Listing It in the Classified Ads of the American Nurseryman.

CANE STAKES

DYED GREEN PLANT STAKES
Hand selected and dyed a rich forest green. Uniform lead pencil thickness. Packed 2000 per bale.

Size	Price per bale	Av. weight per bale
1 1/2 ft.	\$ 6.00	25 lbs.
2 ft.	8.00	40 lbs.
2 1/2 ft.	10.00	60 lbs.
3 ft.	13.00	100 lbs.
4 ft.	18.00	140 lbs.
5 ft.	24.00	236 lbs.
6 ft.	33.00	256 lbs.

SPLIT BAMBOO PLANT STAKES
for lighter staking. Av. Weight
Size Per bale
12-in. \$ 5.00 18 lbs.
14-in. 7.00 24 lbs.
16-in. 9.00 33 lbs.
24-in. 11.00 53 lbs.

NURSERY BAMBOO STAKES
Extra-heavy for staking trees, evergreens, Dahlias and other large plants.

Size-diam.	per bale	Price	Av. Wt.
4 ft., 1/2 to 3/4 in.	500	\$22.50	90 lbs.
5 ft., 1/2 to 3/4 in.	250	17.50	70 lbs.
6 ft., 1/2 to 3/4 in.	200	17.50	95 lbs.
7 ft., 1/2 to 3/4 in.	150	15.00	85 lbs.
8 ft., 1/2 to 3/4 in.	100	15.00	90 lbs.

QUANTITY DISCOUNTS
5 bales up, less 5 per cent
10 bales up, less 10 per cent
25 bales up, less 15 per cent

NOTE—These generous quantity discounts apply to your total order for all types of stakes.

F.O.B. NEW JERSEY AND CHICAGO. SOLD IN BALE LOTS ONLY.
McHUTCHISON & CO.
605-N Grand Ave. Ridgefield, N. J.

PER 100	1/4" x 1/2"	3/8" x 1/2"	1/2" x 1/2"	3/4" x 1/2"	1" x 1/2"
4 ft.	\$2.88	\$3.44	\$4.24	\$5.60	
5 ft.	3.60	4.30	5.30	7.00	
6 ft.	5.16	6.36	8.40		
7 ft.	6.02	7.42	9.80		
8 ft.	6.88	8.48	11.20		
10 ft.	10.60	14.00			
12 ft.	12.72	16.30			

Approximate thickness at bottom end.
F.O.B. Livonia, La. 2000 up, less 5 per cent; 5000 up, less 10 per cent.
A. C. PATTERSON, FRISCO, LA.
FORMERLY OF CENTERTOWN, KY.

BAMBOO CANE STAKES
For greenhouse and nursery purposes.
All types and sizes.
Write for prices and quantity discounts.
ALEC HENDERSON, INC.
1512 W. Randolph St. Chicago 7, Ill.

OUTDOOR BAMBOO STAKES
All sizes for immediate delivery.
Ask for our Nursery Supply List.
HALF MOON CO., Box 27A, Plainfield, N. J.

More customers for you!
Over 9,500 subscribers, all active buyers, see your ad in the American Nurseryman.

CHRISTMAS TREES

LIVE CHRISTMAS TREES
Norway Spruce, excellent color, compact.
2 to 2 1/2 ft. \$1.65 each
2 to 3 1/2 ft. 2.50 each
Texas hickory, 14 to 18 ins. 1.50 each
Juniperus stricta, 18 to 24 ins. 1.25 each
Alum Arbovitae, 12 to 16 ins. 1.00 each
Euonymus japonica, 12 to 16 ins. 1.00 each
Will sell entire stock, ranging from 1-yr. to 15-yr. specimens, or will sell the entire nursery property and equipment, plus the stock.
Good price. Cash only.
Z. DOLINSKI
Monmouth Junction, N. J.
Major Rd. Phone Davis 9-6326

CHRISTMAS TREES
Scotch Pine, 4 to 7 ft., \$1.00 to \$1.50.
Norway Pine, 5 to 7 ft., 25c to 75c.
Pine boughs, \$20.00 per ton bulk.
Trees and bough prices include cutting.

DUANE CHAMBERLAIN
Kingsley, Mich.
Phone 62F1-2

COLOR TAGS

COLOR PICTURE TAGS
Quick shipments. Reasonably priced.
Shrubs, shade, fruits, vines, flowering trees, etc. Write for price list.
GLOBE NURSERIES
Box 249 McMinnville, Tenn.

CONTAINERS

CANS
Egg cans or gallons, by freight car or truckload.
Punched egg cans, 8c, at source of supply.
Punched gallon cans, 4c, at source of supply.
Also California style dipped cans.
McGREW BROS. CAN SUPPLY
Box 355 Orrville, O.
Quick — Convenient — Cheap!
Selling through the Classified Ads of the American Nurseryman.

FERTILIZERS

PETERS SPECIAL CONTAINER-GROWING FERTILIZERS
All materials listed are ideal for container-growing purposes.

SEQUESTERED SOLUBLE CHELATED FERTILIZERS WITH M27

SOLUBLE FERTILIZERS
21-7-7 Azalea Neutral (non-acid forming)
2-7-7 Azalea Acid (heavy acidifying action)
20-10-15 Nurserymen's Special
All above, \$6.75 per 25-lb. bag.
\$25.00 for 4 25-lb. bags.

20-20-20 General Purpose Feed.
10-20-20 Low Nitrogen Special.
\$7.25 per 25-lb. bag; \$25.00 for 4 25-lb. bags.

LONG-LIFE FEEDS
13-6-6 Organic Special Du Pont Uramite Nitrogen and highest grade natural organics. The finest long-life dry feed. Unexcelled for containers.

\$7.25 per 25-lb. bag; \$25.00 for 4 25-lb. bags.
Du Pont Uramite, 23 per cent nitrogen from methyl-urea, \$12.00 per 50-lb. bag.
Also available: Chelated Iron, Chelated Trace Element Complexes, Fritted Trace Elements, etc.

FRITTED POTASH
Contains 12 per cent K2O, plus fritted trace elements. Will not leach away. Gives 6 to 9 months' assured supply of Potash, regardless of leaching rain or heavy watering. \$9.00 per 25-lb. bag; \$2.00 per 25-lb. bag for 4 to 39 bags.

Write for complete price list.
Freight with the exception of Alaska, on all orders totaling 300 lbs. or more. West of the Mississippi, add 3c per lb. on 300 lbs. and over, prepaid shipments. F.O.B. Allentown, Pa., on all orders less than 300 lbs.

PETERS SPECIAL Retail Packages
20-20-20
1-lb. resale container, packed 12 to a carton.
Resale price, \$1.25 to \$1.50.
12-pack carton costs you \$9.00.
20-20-20.

5-lb. resale tub, packed 6 to a carton.
Resale price, \$2.75 to \$4.95.
6-pack carton costs you \$13.50.

F.o.b. Allentown, Pa. Total orders of 300 lbs. or over shipped prepaid anywhere in the United States, with the exception of Alaska.

ROBERT B. PETERS CO., INC.
323 N. 15th St. Allentown, Pa.

Surplus Stock can be easily and quickly turned into Cash by listing it in the American Nurseryman Classified Ads.

FLATS

CYPRESS FLATS			
TOP-GRADE FLATS THAT LAST			
No.	Size I.S.M.	Per 100	Wt.
1.	14x20x2 1/2 in.	\$25.00	590
2.	14x20x3 1/4 in.	29.00	630
3.	12x16x2 1/2 in.	20.00	440
4.	12x16x3 1/4 in.	24.00	520
5.	14x16x2 1/2 in.	22.00	510
6.	14x16x3 1/4 in.	26.00	590
7.	15x22 1/2 x 3 1/4 in.	29.00	670
8.	15x22 1/2 x 3 1/2 in.	33.00	740
9.	11 1/4 x 22 1/2 x 3 1/2 in.	23.00	540
10.	11 1/4 x 22 1/2 x 3 3/4 in.	28.00	620
11.	14x16x5 in.	30.00	720
12.	5x11x5 in.	16.00	300
13.	5x16x5 in.	18.00	380

Any size to order. Write for price list on skeleton flats. Bottoms and sides 1/2 in. thick; ends 3/4 in.; all planed one side. 5 per cent discount on orders of 500 or more. Check with order. Up to 3 lines printing in black ink if desired; \$1.00 setup charge plus 1c per end piece. Shipped K.D. in bundles of 25. F.O.B. Williamston, by truck, unless specified otherwise.

H. C. HILL & SONS
P. O. Box 747 Williamston, N. C.
Phone Swift 2-4127

WHITE CEDAR FLATS

Order by No.	Size I.S.M.	Price per 100	Wt. per 100
No. 1.	14x20x2 1/2 in.	\$27.00	320
No. 2.	14x20x3 1/4 in.	31.50	400
No. 3.	12x16x2 1/2 in.	20.75	260
No. 4.	12x16x3 1/4 in.	24.50	275
No. 5.	14x16x2 1/2 in.	23.25	275
No. 6.	14x16x3 1/4 in.	27.50	290
No. 7.	14x22 1/2 x 3 1/4 in.	30.75	380
No. 8.	15x22 1/2 x 3 1/2 in.	35.00	425
No. 9.	11 1/4 x 22 1/2 x 3 1/2 in.	25.00	320
No. 10.	11 1/4 x 22 1/2 x 3 3/4 in.	29.00	400
No. 11.	14x16x5 in.	32.75	450
No. 12.	5x11x5 in.	16.75	160
No. 13.	5x16x5 in.	19.00	215

Pant boxes, 5x8 1/2 x 3 1/2 in. 4.50 45
Skeleton flats to carry TERPAKS and similar growing containers. (Write us for price list.)
All other sizes quoted on request.
5 per cent discount on orders of 1000 or more; 10 per cent discount on carloads of 30,000 lbs. or more.
Bottoms and sides are 1/2 in. thick and ends are 3/4 in. thick. All material surfaced on one side.

Your name and address printed, up to 3 lines in black ink, on one or both end pieces at the following rates: \$1.00 setup charge, plus 1/4 c per end piece for the first 1000 ends; 1/4 c per end thereafter.
Shipped knocked-down in units of 25. F.O.B. Cook. All shipments by truck unless otherwise specified. Attach check.
H. C. HILL & SONS
Manufacturer of flats, dowels and specialties.
Phone North 6-3348, Cook, Minn.

REDWOOD FLATS, K.D.
Finest stock obtainable. Guaranteed all clear heart. Size 20x16x3 ins. inside measure, \$38.00 per 100.

1x1-in. Cypress stakes, pointed.
50 pcs. to bundle, 4 ft., \$3.50 per bd.
50 pcs. to bundle, 5 ft., \$4.50 per bd.
50 pcs. to bundle, 6 ft., \$5.50 per bd.
Ship same day. Cash with order, please.
YOHO & HOOKER, YOUNGSTOWN 2, O.

JIFFY-POTS

JIFFY-POTS
All sizes available for prompt shipment at standard prices.
McHUTCHISON & CO.
695-N Grand Ave. Ridgefield, N. J.

Check Your Stock NOW!
If you have a surplus sell it through the American Nurseryman Classified Ads.

LABELS

DAHIA OR TREE LABELS			
	Printed	Plain	Painted
3 1/4 x 1/2 ins., notched, not wired	\$3.00		\$3.50
3 1/4 x 1/2 ins., wired (copper)	3.95		4.90
POT LABELS			
4x4 ins. (cartons 1000 each)	3.95		4.60
5x4 ins. (cartons 1000 each)	4.30		5.10
6x4 ins. (cartons 1000 each)	4.70		5.50
GARDEN STAKES			
8x4 ins. (cartons 500 each)	\$3.60		\$4.30
10x4 ins. (cartons 500 each)	4.20		5.10
8x4 ins. (cartons 250 each)	3.00		3.60
10x4 ins. (cartons 250 each)	3.30		3.90
12x1 1/2 ins. (cartons 100 each)	2.00		2.40

Our labels are perfectly white and smooth on both sides and are pronounced by growers the best and most economical.
Catalog on request.
"We ship same day."
YOHO & HOOKER, YOUNGSTOWN 2, O.
FINEST BLANK OR PRINTED wood labels.
BENJ. CHASE CO., VII. Sta., DERRY, N. H.

MULCHES

SHINGLE TOW
in carload or truckload lots.
H. G. BROWNING, GARNET, MICH.

PEAT MOSS

"BRODLEAF" Best Holland PEAT MOSS.
Gardner No. 110 and No. 85. Growers No. 120 Growers Jumbo No. 170. Two Bales Equal 3. HALF MOON CO., Box 27A, Plainfield, N. J.

9,500 Active Nurserymen are in need of stock.
List your offerings in the American Nurseryman Classified Section.

PESTICIDES

SLUGIT
The amazing liquid snail and slug killer. Inexpensive, effective, easy to apply. One gallon treats over 11,500 square feet. Two applications assure control.
\$12.00 per gal. Ave. weight 15 lbs.
5-gal. drums only \$47.50. Ave. weight 60 lbs.
McHUTCHISON & CO.
695-N Grand Ave. Ridgefield, N. J.

PLANT FOOD

PENNSYLVANIA DISTRIBUTOR		
CHLOROMONE		
Liquid plant hormone with chlorophyll.		
4-oz. jar	.....	\$ 3.00
Case of 12	.....	23.40
Case of 24	.....	43.20
Gallon tin	.....	46.00
HEASLEY BROS. NURSERY		
R. D. 1, Box 218	Greensburg, Pa.	
OHIO DISTRIBUTOR		
CHLOROMONE		
Liquid plant hormone with chlorophyll.		
4-oz. jar	.....	\$ 3.00
Case of 12	.....	23.40
Case of 24	.....	43.20
Gallon tin	.....	46.00
CRUMRINE NURSERY		
R. D. 2	Phone TA 3-9508	Alliance, O.
CHLOROMONE		
Liquid plant hormone.		
4-oz. jar	.....	\$ 3.00
Case of 12	.....	23.40
Case of 24	.....	43.20
Gallon tin	.....	46.00
HESS' NURSERIES		
P. O. Box 125	Wayne, N. J.	

PLANT STAKES

Plant Stakes, see large ad under Cane Stakes. McHutchison & Co., Ridgefield, N. J.

PLANT TIES

"QWIK-TIES," NEW, IMPROVED PLASTIC TIES		
Guaranteed break-proof.		
Small, strong, almost invisible. Economical and easy to use. Packed in bundles of 250 ties for convenient use.		
Size	Per carton of 10,000	Av. weight per carton
4-in.	.....	5 lbs.
8-in.	.....	10 lbs.
12-in.	.....	14 lbs.
McHUTCHISON & CO.		
695-N Grand Ave.	Ridgefield, N. J.	

PLASTIC FILM

GER-PAK POLYETHYLENE FILM		
SUN-RESISTANT BLACK FOR MULCHING		
.0015 MIL.		
3 ft. x 500 ft.	.....	\$ 7.45 roll
3 ft. x 1000 ft.	.....	14.90 roll
4 ft. x 1000 ft.	.....	19.90 roll
NATURAL TRANSPARENT ONLY		
.002 MIL. ALL ROLLS 200 FT. LONG		
4 ft. x 2 ins. x 200 ft.	.....	\$ 5.55 roll
8 ft. x 4 ins. x 200 ft.	.....	11.10 roll
12 ft. x 200 ft.	.....	15.90 roll
NATURAL TRANSPARENT ONLY		
.004 MIL. ALL ROLLS 100 FT. LONG		
3 ft. x 100 ft.	.....	\$ 4.00 roll
4 ft. x 100 ft.	.....	5.30 roll
6 ft. x 100 ft.	.....	7.98 roll
8 ft. x 100 ft.	.....	10.65 roll
14 ft. x 100 ft.	.....	18.60 roll
MINIMUM ORDER .004 mil. 4 rolls up to 8 ft. Write for low prices on quantity orders. Other sizes and mil. weights available up to 40 ft. in natural and black film.		
PHONE BALDWIN 3-8277		
DAYTON NURSERY & GARDEN SALES		
P. O. Box 763	Dayton 1, O.	

POLYETHYLENE FILM

1 1/2 mil., black, in 1000-ft. rolls, 3 ft. wide,	\$20.40; 4 ft. wide, \$27.00.
2 mil., natural, in 200-ft. rolls, 4 ft. x 2 ins. wide, \$4.00; 8 ft. x 4 ins. wide, \$15.00; 12 ft. wide, \$21.60.	
4 mil., natural, in 100-ft. rolls, 3 ft. wide, \$6.00; 4 ft. wide, \$8.00; 6 ft. wide, \$11.20; 8 ft. wide, \$14.40; 10 ft. wide, \$18.00; 12 ft. wide, \$21.60; 14 ft. wide, \$25.20; 16 ft. wide, \$28.80; 20 ft. wide, \$36.00; 24 ft. wide, \$43.20; 28 ft. wide, \$50.40; 32 ft. wide, \$57.60.	
10 per cent discount on orders over \$24.00.	
20 per cent discount on orders over \$60.00.	
35 per cent discount on orders over \$50.000 sq. ft.	
We pay freight if check is with order.	
6 mil. available in widths up to 32 ft.	
ROUGH BROS.	
4229 Spring Grove Ave.	Cincinnati 23, O.
POLYETHYLENE FILM	
Natural transparent, made from Du Pont Alathon, the amazing film for greenhouses.	
.004 mil., all rolls 100 ft. long.	
3 ft. wide by 100 ft. long	..... \$ 6.00 per roll
4 ft. wide by 100 ft. long	..... 8.00 per roll
6 ft. wide by 100 ft. long	..... 12.00 per roll
8 ft. wide by 100 ft. long	..... 16.00 per roll
Other sizes available up to 20 ft. wide. Send \$1.00 for liberal sample.	
3 ft. x 10 ft. postpaid.	
Special deal for greenhouse construction.	
5 rolls to 9 rolls, 25 per cent discount.	
10 rolls or more, 33 1/2 per cent discount.	
"We ship same day."	
YOHO & HOOKER	
520 Williamson Ave.	Youngstown 1, O.
VIKING CLOTH—Plastic Sealed Burlap.	
Let in light, Keep out Water, Wind.	
In 50-yard rolls 5 ft. wide, \$35.00.	
Polyethylene Clear, Black, Rolls, Shts.	
HALF MOON CO., Box 27A, Plainfield, N. J.	

PLASTIC POTS

WILSON HIGH IMPACT POLYSTYRENE PLASTIC POTS		
Attractive mottled colors in utility grade, sold in original cartons only. All priced F.O.B. Dayton, O.		
	Per 1000	Wt.
2 -in., round, 1000 case	9.00 12 lbs.
2 1/2 -in., round, 1000 case	11.50 22 lbs.
3 -in., round, 1000 case	17.00 35 lbs.
4 -in., round, 500 case	32.00 33 lbs.
4 -in., round, 500 case	32.00 35 lbs.
6 -in., round, 120 case	120.00 35 lbs.
6 -in., round, 120 case	105.00 25 lbs.
7 -in., round, 60 case	175.00 40 lbs.
2 1/2 -in., square, 1000 case	10.00 18 lbs.
2 1/2 -in., square, 1000 case	15.00 20 lbs.
3 -in., square, 1000 case	17.00 36 lbs.
4 -in., square, 1000 case	32.00 33 lbs.
Also available in solid pastel colors. Write for quote on colors. Free samples sent upon request.		
DAYTON NURSERY & GARDEN SALES		
P. O. Box 763	Dayton 1, O.	
PHONE Baldwin 3-8277		

PRINTING

Billheads, 8 1/2 x 7; envelopes, 6 1/2 size, 250 of each, \$6.00; 500 of each, \$10.75. Postpaid to zone 3; beyond 3, add 5 per cent.

H. Grebe, 306 Union St., Royersford, Pa.

REED MATS

GUARD 'N' SHADE
DUTCH-MADE REED MATS
Carefully woven with a generous amount of reed. Durable and easy to handle. Ideal for coldframe protection in spring and fall. Available in three sizes.

	Each	Av. weight per mat
10 mats, 6x6 ft.	.....\$3.50	25 lbs.
26 mats, 6x6 ft.	.....3.25	25 lbs.
Write for quantity prices. F.O.B. Atlantic and Great Lakes ports.		
McHUTCHISON & CO.		
695-N Grand Ave.	Ridgefield, N. J.	

SPHAGNUM MOSS

CONTACT WARRENS MOSS COMPANY
for all your sphagnum moss needs, both in bales and also in milled sphagnum for seed germination.

Fresh, clean sphagnum moss, write, or phone City Point 133 for our low prices on wirebound bales in truckloads or carlots.

Tony Jaromin, City Point, Wis.

STAKES

CYPRESS PLANT STAKES	
50 pieces to bundle.	
1x1-in.—3 ft., pointed	.....\$3.00 per bundle
1x1-in.—4 ft., pointed	.....3.50 per bundle
1x1-in.—5 ft., pointed	.....4.50 per bundle
1x1-in.—6 ft., pointed	.....5.50 per bundle
1x1-in.—7 ft., pointed	.....7.00 per bundle
These stakes are made of cypress and redwood; are good, strong stakes and will give long service. "A little better than seems necessary."	
WE SHIP SAME DAY!	
YOHO & HOOKER	
Youngstown 2, O.	

STAKES, GALVANIZED HARD STEEL
GALVANIZED tree guy wire.
HOSE for guywire PADDING.
Prices and samples sent on request.

SCHUPP SUPPLY CO., WILMETTE, ILL.

TRADE BOOKS

TRADE BOOKS.

Descriptive book circulars available on request.

GREENHOUSES: THEIR CONSTRUCTION AND EQUIPMENT.
by W. J. Wright, \$3.50.

TAYLOR'S ENCYCLOPEDIA OF GARDENING.
by Norman Taylor, \$7.50.

PRONOUNCING DICTIONARY OF PLANT NAMES, 25c.

THE BOOK OF SHRUBS.
by A. C. Hottes, \$4.95.

TREES FOR AMERICAN GARDENS.
by Dr. Donald Wyman, \$8.00.

PLANT PROPAGATION PRACTICES.
by James S. Wells, \$7.50.

THE BOOK OF TREES.
by A. C. Hottes, \$4.00.

These books may be obtained, postpaid, at the publishers' prices indicated, from

AMERICAN NURSERYMAN
343 E. Dearborn St. Chicago 4, Ill.

PORTLAND PROGRAM ON PLANT TOPICS

A series of educational meetings for nurserymen, landscape gardeners, greenhouse growers and other horticulturists planned at Portland, Ore., to cover a 6-month period, began in November. The meetings are being held the third Tuesday of each month at the quarters of the Portland Wholesale Nursery Co., Portland, no fee being required.

Speakers and subjects for the series were selected by a steering committee of representatives from Oregon Association of Nurserymen chapters, the landscape gardeners' association, county agents from Multnomah, Washington and Clackamas counties and staff members of Oregon State College.

About 100 persons attended the first session the evening of November 17. Dr. Ira Deep, O. S. C., was in charge of the program, having as his topic, "How Plants Grow." Dr. Deep was presented by Ray McNeilan, Multnomah county agent.

Plant Growth

The speaker first compared the needs of plants and humans, stating that both need food, water, oxygen, minerals, vitamins, growth hormones and amino acids. Plants, he said, must have carbon dioxide, also. Whereas man obtains his necessities from the environment by eating, drinking and breathing, a plant uses the water, oxygen, minerals and carbon dioxide received from the environment to make all the other materials required, he said.

Through the process of photosynthesis, a plant takes water from the soil, carbon dioxide from the air and energy from sunlight to produce sugar (with stored energy) and oxygen. Actually, he said, photosynthesis is the process by which carbon dioxide and water react in the presence of light and chlorophyll to form sugar. He explained phototropism as a growth movement in response to light. In this regard he showed the group several plants used in research to demonstrate the growth of a plant toward light. A plant grows toward light, he explained, because plant hormones move away from light and more growth then occurs at the back side, or dark side, of the stem. A plant grows upward for the same reason, he said; the hormones push the plant upward.

Respiration in a plant was described as the process whereby foods are oxidized, with release of energy. Sugar plus oxygen releases energy, which is made available to the plant,

with water and carbon dioxide as the waste products.

Next he explained digestion of a plant. Digestion, said Dr. Deep, amounts to the conversion of complex, insoluble foods to simple, soluble foods. Starch is converted into sugar; proteins are converted into amino acids, and fats are converted into fatty acids and glycerol.

Next Dr. Deep described the structure of a leaf, further breaking that down with information about a typical mesophyll cell. With the aid of information sheets given to each one and colored slides shown to the group, he explained the cuticle, epidermis, mesophyll, vein and stomate of a leaf. Stomates, he said, are the openings through which gases flow inward and outward in the leaf. He explained the processes of a cell and the means by which it grows mature and divides in the growth processes of a plant.

The ordinary kinds of growth in a plant, he said, are terminal and lateral. In the terminal growing points, three things happen: (1) Cells divide near the growing tip primarily; (2) farther back on the stem they usually do not divide but grow larger and (3) still farther down on the stem, the cells change into mature cells, ceasing to divide or grow. All plants are continually growing, he said; even 2,000-year-old redwoods have young tips.

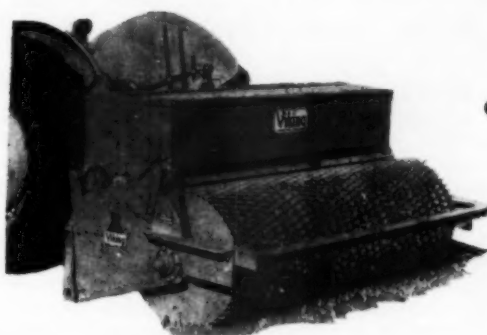
Concerning the lateral growth of a stem, he described the vascular bundle, the cambium layer, the inner bark (phloem) and the new wood (xylem). The vascular bundles are made up of the phloem and xylem. Through the phloem food materials are transported, usually a downward movement. Water is transported upward from the roots in the xylem tissue. The growth of woody plants and herbaceous plants is essentially the same, he said. At the close of his talk, Dr. Deep answered numerous questions from the audience.

Coming Features

The next meeting in the series of six will take place December 15, also at the Portland Wholesale Nursery Co. Dr. Deep will again be the speaker, and his topic will be "Plant Diseases," dealing with the basic differences between virus, fungus and bacterial diseases and their affect on plants.

January 19, Don Martel, head of landscape architecture, O. S. C., will discuss "Naming of Plants," telling what scientific names of plants mean and why they are used.

February 16, "Soils As a Medium for Plant Growth and Basic Ferti-



SCARIFIER
COULTER BLADE
FERTILIZER
SEEDER
RAKE
ROLLER
BLADE

VIKING Roller Blade

DOES ALL 12 LANDSCAPE JOBS!

Start with any rough graded area

The Viking Roller Blade will till it, grade it, make a fine seed bed, seed it, fertilize it, rake a top dressing over it, and compact it for moisture retention.

Mounts to 3-point hitch tractors

Seed and fertilizer controls are close to operator. Blade is suspended between roller and tractor wheels. It automatically floats and levels at desired setting. Fine adjustments are easily made.

Completely eliminates hand labor

Engineered for the precise work required by parks, golf courses, universities, new developments, etc. Big and rugged enough for practical farm use. Precision broadcast seeding of all grass seeds; accurate spreading of commercial free-flowing fertilizers.

1. Light tillage
2. Leveling
3. Fine grading
4. Clod busting
5. Compaction
6. Precision seeding
7. Fertilizing
8. Raking
9. Top dressing
10. Aerating
11. Mulching
12. Renovating



Check with users. Names supplied upon request.

Write for full details on the Viking Roller Blade.



VIKING MFG. CO.

1534 VIKING ROAD
MANHATTAN, KANSAS



WATCO MISTING SYSTEMS

Used by the leading growers of the country



1/4-in. 4W Wide-Angle MISTING NOZZLE
\$2.95 each

INSURE HEALTHY
ROOTED CUTTINGS —
FASTER
AT LOWEST COSTS

INTERMITTENT SYSTEMS
FOR ALL CROPS
WATCO



Complete Clock Timer and full 1/2-inch solenoid wired, ready to hang up.

\$65.00

NOZZLES — TIMERS — SOLENOIDS — STRAINERS — ACCESSORIES
• LAYOUTS SUPPLIED FREE — SEND FOR BULLETIN No. 30

AL SAFFER, Horticultural Supplies 130 W. 28th St. New York 1, N. Y.
ORegon 5-2348

lizer Facts" will be the subject of the program, given by Marvin Shearer, extension specialist, and Howard Cushman (or Art King).

March 15, the subject will be "Insect Pests," the speaker being Knud Swenson, professor of entomology, and R. W. Every, extension entomologist. How insects feed and reproduce and factors affecting their control will be told.

April 19, "Nematodes, Symphylids and Fumigants" will be the topic covered by Harold Jensen, nematologist, and H. E. Morrison, entomologist. They will tell what these two primary soil pests are and how important they can be in nursery

soils. The action of soil fumigants and how they should be used will also be described. C. H. P.

CHENOWETH'S EXPANDS

Chenoweth's Mount Vernon Nursery, Mount Vernon, Wash., held the grand opening of a garden center October 2 to 4, the event marking a major step into the retail field by this firm, which had previously been operated primarily as a wholesale business. The new garden center, with its 2,000 square feet of store space well arranged for customer convenience, features all types of accessories, plants and bulbs. An acre

of land back of the store building is used for the display of shrubs.

The new retail unit is one phase of a general company expansion and improvement that includes a new greenhouse, equipped with modern propagation equipment, and a warehouse. A year-round staff of six is employed.

When bought by E. R. Chenoweth in 1911, the nursery concentrated growing efforts on roses and dahlias. Today it is one of the country's largest growers of Oregon grape plants, according to owner LaDon Henson, and ships the plants throughout the country. Fifty acres are used for the production of the firm's general line

WANTED and FOR SALE ADS

Help and Situation Wanted and For Sale Advertisements.

Display: \$4.50 per inch, each insertion.

Lines: 40¢ line; minimum order \$4.00.

FOR SALE

Ornamental nursery fully stocked with salable plants. Started this nursery 50 years ago and am offering it for half of what it is worth. There are 161 pecan trees over 30 years old, loaded this year with pecans. 40 acres right on highway between La Grange and Greenville, Ga. You would have to see this nursery to know what a bargain it is. \$40,000, half cash, balance easy terms to suit. Write for more information.

J. D. Fuller
MOUNTVILLE NURSERIES
Mountville, Ga.

FOR SALE

Full line of landscaping equipment, priced to move. Includes: 6 trucks, all sizes, 1952 to 1958 models. Viking roller blade with special tractor; Brillion seeder; York rake grader-scarifier; Ferguson 35; trailer, special mounts; 2 new discs, etc. Also many other smaller items. Will deliver anywhere within 400 miles. Full list and prices will be supplied.

LADICH WEHNER ASSOCIATES
P. O. Box 5126, Fairlawn Station
Akron 13, Ohio

SITUATION WANTED

10 years' experience in managing large nursery doing business in garden center operation, growing, wholesaling and landscaping. Age, 30 years. Prefer selling for large grower in midwestern states, but would consider other position. Complete resume available. Write Box 656, care of American Nurseryman.

SITUATION WANTED

Manager, estimator, supervisor for landscape firm. 4-year certificate in horticulture; 13 years' experience in most phases of landscape management. Address replies to Box 661, care of American Nurseryman.

HELP WANTED

Experienced young nurseryman able to supervise labor in planting, digging and filling of orders, with good general knowledge of nursery operations. Write full particulars of experience, salary required, etc. All replies confidential.

CASSINELLI'S GLENDALE
NURSERIES, INC.
(Cincinnati, Ohio)
Box 415 Glendale, Ohio

FOR SALE

TREE-MOVING RIG

Truck-mounted, heavy-duty tree rig with power winch, chain hoists and other tools. I have built a greenhouse and no longer have time for tree moving; therefore will sell rig, with truck, for \$1500.

BRUCE KREKLER LANDSCAPING
753 S. Cleveland-Massillon Rd.
Akron 13, O. MOhawk 6-4927

SITUATION WANTED

Young nurseryman with college background in landscape architecture and over 10 years' experience in landscape sales and nursery and garden center management, desires permanent, responsible position in sales and/or management with reputable firm. Mail request for complete resume and top references to Box 659, care of American Nurseryman.

HELP WANTED

A wholesale salesman wanted for full or part time. Several choice territories open, full line produced by one of the Midwest leading nurseries. Money-making commission deal for the man willing to work. Give full particulars in first letter. Write Box 645, care of American Nurseryman.

BUSINESS OPPORTUNITY

For lease, sale or will take qualified partner. Expanding nursery and garden center, 25 miles from New York city. Fastest-growing section in the state. Year-round operations. Excellent future. Owner has other interests. Write Box 655, care of American Nurseryman.

SITUATION WANTED

In the South
25 years' experience in nursery and landscape work. Want job as foreman in nursery or foreman of landscape crew. 56 years old, married, sober and reliable. Reply to Box 660, care of American Nurseryman.

WANTED TO BUY

Small established garden center with one to three acres of land located on reasonably well-traveled highway near a large city. Would prefer Ohio, New York, Pennsylvania, Connecticut, New Jersey, Delaware or Maryland. Write Box 653, care of American Nurseryman.

FOR SALE

Used complete greenhouses. Used greenhouse materials, glass, pipe, valves, etc. Greenhouses bought for wrecking.

SEABOARD GENERAL SUPPLY CO.
Elizabeth 4-9041 Waverly 6-0404
1080 Magnolia Ave. Elizabeth, N. J.

WANTED

Sales representatives presently calling on nursery trade to handle new line paper pots on commission basis. State territory covered, present lines handled, references, etc. Write Box 657, care of American Nurseryman.

WANTED

TO REPRESENT GROWER

Sales organization interested in representing reliable grower for volume sales. Address replies to Box 612, care of American Nurseryman.

HELP WANTED — Landscape salesmen needed by one of Florida's oldest nurseries. Must be college trained or experienced in landscape selling. Opportunity to work on west coast of Florida where you are limited only by your own abilities. Contact: ROYAL PALM NURSERIES, Box 698, Oneco, Fla.

FOR SALE—Attractive garden center set-up in southeastern Massachusetts. Illness forces sale of expensively remodeled 11-room home, 2 barns, 3 outbuildings, 14x35-ft. Orlit greenhouse, lath house and 10 acres of land. Enjoying excellent reputation for nursery stock, hardy mums, house plants, gifts, garden supplies, etc. A real buy at \$35,000. Write Box 658, care of American Nurseryman.

of stock, sold largely on the west coast.

OPEN HOUSE AT VALLEJO

Cottage Gardens, Vallejo, Calif., again held a 3-day open house in September, for which numerous improvements in the establishment were completed. Especially notable were paving of all the aisles and display areas in the colorful 2-acre nursery and a considerable expansion of the gift shop. Parking areas had also been expanded and paved. Bulk products, such as fertilizers, peat moss and planting mixes, were given an accessible area where they could be easily inspected and moved.

Hollis M. Gray and his wife, Dorene, proprietors, also arranged for a staff of leading horticulturists, landscaping consultants and plant clinic specialists to assist visitors. Demonstrations of equipment were featured, and numerous prizes were given.

Two new members have been added to the nursery staff, both of whom received university training in horticulture and landscaping. One of the purposes of the open house, according to Mr. Gray, was to acquaint the local residents with the high quality of stock that is to be found in a pinto tag nursery such as the Cottage Gardens.

Mr. Gray is one of the two directors representing the Central chapter in the California Association of Nurserymen.

CALIFORNIA NOTES

The Ferry-Morse Seed Co. announced recently that it will move its headquarters, which have been at Detroit, Mich., for 103 years, to California. The new headquarters will be at the site of the firm's Pacific coast offices at Mountain View, about 40 miles south of San Francisco. The new offices will require a 50,000 square foot addition to the present facilities, as well as additional warehouse space of almost 200,000 square feet.

The Green Giant Nursery, 950 El Camino Real, Millbrae, is owned by a partnership composed of Donald and John Brown and Joseph Welsh. In charge of the nursery is Alex McOmie who has had over 25 years' experience in ornamental nurseries in the bay area. The nursery and its facilities, including parking for 60 cars, occupy two acres about a half mile north of the main corners of the town of Millbrae. There is a 30x120-foot concrete block and wood building for housing garden supplies and home gardeners' needs and a 60x120-foot aluminum



1 FOOT Wide! . . . 12 INCHES Deep!

Yes...you read correctly...ONE FOOT across...12 INCHES high! That's the newest size in Union's line of Plastic Flower Pots.

This new size was developed especially for growers of large decorative foliage plants. It's a good solid pot, yet, because it's plastic, it weighs far less than pots of ceramic materials.

If you grow such foliage plants as Philodendron Per-tussen, Ficus Decora or Palms, you can use the Union 12-inch pot in your business. Available in either the Standard or Utility line. Write today for prices!

"America's most complete line of Plastic Pots, Tubs and Planters,"

UNION PRODUCTS, INC.

LEOMINSTER, MASS.

INCREASE SALES 100%

Don't Keep Your Customers Waiting for information about your stock. These self-selling plastic labels give all the information your customer wants — creating additional sales while you are busy.

We have the largest selection of horticultural subjects on plastic labels anywhere. Available in two types: (1) Over 800 varieties illustrated in full color; (2) over 600 fully descriptive labels with large, readable type.

SHOW IT and SELL IT — HIDE IT and KEEP IT

ASK FOR FREE SAMPLES AND CATALOG

GROWERS & MANUFACTURERS EXCHANGE

8434 S. Rosemead Blvd., Rivera, Calif.
Phone OXford 9-0711

No. 3 Container-Marker (picture and holder). Holder is 27 inches high. Prongs at bottom prevent turning in the wind. Use for salesyard display.



SOIL WETTING AGENT**AQUA-GRO®****AQUA-GRO**

is a blend of non-ionic organic wetting agents formulated to wet any soil mix quickly and uniformly. Grow a portion of your stock under low soil moisture tensions. No dry pots. No overwet pots. Promote better rooted, denser and more uniform, healthy plants with low soil moisture tensions.

AQUA-GRO

mixes readily with water and can be applied to your container stock with conventional equipment. A minimum of two treatments a year is required. Fast, uniform wetting saves you time and money and conserves water. GARDEN CENTERS keep your retail canned and balled stock fresh with Aqua-Gro.

AQUA-GRO

produces better plants in propagating; reduces transplanting shock; aids in faster, more uniform seed germination and rooting; reduces sediment removal and washing of seed; makes your fertilizer program more effective; reduces winter burn on stock treated during propagation and planting out.

One Cent
Treats 25
1-gal.
Containers
Twice a Year

1 gal., \$15.00
5 gal., \$60.00
Also Available
in 15 gal. and
52 gal.

**AQUATROLS CORP.
OF AMERICA**

217 Atlantic Ave.
Camden, N. J.

lath house for shade-tolerant plants, which are displayed in containers. Now being built is a concrete block structure for the storage of heavier garden equipment. All outdoor areas are paved, and all plant materials are kept in well-marked beds of wood chips laid over gravel.

California ornamental retail nurserymen, plagued by the driest September and October on record and the warmest as well as the driest November, hope home gardening activities will get under way this fall with the predicted wet and cold December.

On the coast side of San Mateo county, the board of supervisors has zoned 8,600 acres as greenbelt. This was done at the request of the wholesale nurserymen and farmers in that southern section of the county, who want the land left in an agricultural belt rather than subdivided for residential or light industrial purposes.

A horticultural research team at the University of California, Los Angeles, reports that symptoms produced by a virus in camellias are relieved by an application of iron chelate. The symptoms are a yellow spotting and spotting of the leaves and a white mottling of the flowers. Addition to the soil immediately surrounding the diseased plants of relatively small amounts of iron chelate compound removed all traces of the symptoms for a period of six to 12 months. Although the symptoms disappeared following the treatment, the virus remained in the plant and was still capable of infecting other plants. New growth was similar to that produced by virus-free plants, but when the iron supply ran out the symptoms returned.

Workers at the University of California have found that mildew on roses and tuberous-rooted begonias can be effectively controlled with the use of a new fungicide, Phaltan. The material seems to be harmless to the flowers. W. B. B.

HOLIDAY TREE KIT

The Oregon Beauty Christmas Tree Co., Grants Pass, Ore., has started a new project. The firm is selling a do-it-yourself packaged Christmas tree of fresh Oregon fir which the buyer assembles at home. The Oregon Beauty Christmas tree is the brain child of Dietz Newland, who has patents pending on it. Mr. Newland is president of the new company, in which eight Grants Pass businessmen are principals. Production of tree trunks for the Oregon business has been under way for several months in leased warehouse quarters at Grants Pass. These trunks

IF YOU NEED SHADE
LOW COST COOL VENTED **YOU NEED** NURSERIES GREENHOUSES

ALUMALATH

AWNINGS

WRITE FOR SAMPLE

PATIOS

CAR
PORTS**ALUMALATH**

BOX A555

SUNSET BEACH, CALIF.

DOG
KENNELS**NEW... ADD-ON****WIREBOUND CONTAINERS**

3 SIZES GIVES YOU 7 BOX
LENGTHS FROM 4 TO 16 FT.!

- Fits All Your Nursery Stock!
- Greater Capacity! Safer!
- Stronger All-Wood Protection!

Lower Packing-Shipping Costs! Write to:

CHICAGO MILL & LUMBER CO.

33 S. Clark St., Chicago 3, Ill.

IT COSTS NO MORE

(and in most instances less)

FOR OUR PACKING OF**Nursery Burlap
Squares and Rolls**

Write for prices and samples

L. ATKIN'S SONS

P. O. Box 167 Rochester, N. Y.

Mention The American Nurseryman when you write.

INVESTIGATE**HUMIDOMIST**

System for Intermittent Misting

MANY IMPORTANT ADVANTAGES

Write for Circular 577A

SUPREME ELECTRIC PRODUCTS CO.

114 Vassar St.

Rochester, N. Y.

BALED SHINGLE TOW

(CEDAR SHAVINGS)

WM. A. JOHNSTON

1522 N. W. Thurman St. PORTLAND 9, ORE.

Now! Save Up To 50% with

Thriftipots

Heavy-Duty Tar Paper Pots
Made of 45-Lb. Tar Paper

DELIVERED FLAT

YOU ASSEMBLE

Mail \$1.00 for 10 samples of Thriftipots, 2 of each size.

- Assemble as Needed
- SAVE on Freight
- Larger Pots
- SAVE Storage Space
- Heavier-Duty Pot
- Lower Cost

Pot Size	Dimensions of Finished Pot	Price per 1000	Weight per 1000
1—Perennial Pot	4-in. diam., 4 1/2 ins. high	\$18.50	178
2—Perennial Pot	4-in. diam., 5 1/2 ins. high	22.50	230
3—Perennial Pot	5 1/2-in. diam., 5 1/2 ins. high	25.50	268
4—Mum Pot	6 1/2-in. diam., 6 1/2 ins. high	34.50	472
5—Rose and Shrub Pot	8-in. diam., 9 1/2 ins. high	43.50	553

OLD ORCHARD GARDENS



Over one million pots sold to satisfied nurserymen the first year. . . . Join the parade to profits with Thriftipots. . . . Send for your samples today.

OLD ORCHARD GARDENS

724 E. Big Bend Blvd., Webster Groves, Mo.

are formed from 5-foot lengths of 2x2's, cut from hitherto unused saw-mill waste. These lengths are tapered, drilled and dyed the brown color of a Douglas fir trunk.

With this trunk each buyer will receive a package of fresh fir boughs, precut into proper lengths to form a symmetrical Christmas tree. The end of each bough is doweled to fit holes drilled into the tree trunk. All of the fresh fir material is treated in a chemical dip which prevents needle drop and makes it relatively fireproof.

The entire first year's output has been sold. Montgomery Ward Co. has placed an order for 50,000 of the firm's novel product. Mr. Newland expects the output can be increased three to four times next year. He anticipates a replacement market, too, whereby customers who keep the tree trunk may buy fresh boughs each year thereafter. C. H. P.

HOLLY IN THE LANDSCAPE

[Continued from page 14]

family concerning the requirements of the living area. Various families will have different needs, or their attitudes toward gardens will differ. A designer must consider all these factors.

In a new home, the time to start planning the outdoor living area landscaping is before the house is constructed. Unfortunately, many homeowners give little thought to landscaping until after the house is built. It is often too late then to relate the indoor living area adequately to the grounds.

All the parts of the living area should blend together to form a pleasing picture that meets the landscape principles of unity, variety, harmony, balance and proportion. A discussion of these principles will not be carried on here, because these

aspects can be studied in several of the available books on landscape design.

Living Area Requirements

In developing the over-all design, one must keep in mind some of the requirements of the outdoor living area. Enclosure, year-round interest, enframement, accent and creating a livable area will be discussed.

Living areas or small garden areas need to be enclosed to provide privacy. Various hollies are suitable for screening or enclosing and may be developed as hedges or border plantings. These border plantings may be made up of shrubs or may consist of a combination of trees and shrubs. Trees are often needed in the border planting to give scale to the over-all development.

However, what type of plants to select will depend on many factors. A set of specifications must be pre-

FAFARD



peat moss

from two of the richest bogs ever discovered in Canada

PURE SPAGHNUM PEAT MOSS
98% organic

PRICED ATTRACTIVELY
to give you maximum profits

In good-looking packages, polyethylene coated. 1 peck bags to 7 cu. ft. bales. Also European peat moss in 7, 6 and 4.5 cu. ft. bales.

peat humus

PRICED LOW
to put you in an excellent competitive position

CHOICE OF SIZES
plastic-lined bags 2½ lb. to 100 lb. as well as in bulk

FAFARD

CONRAD FAFARD, INC.
P. O. Box 774 LOcust 7-3316
Springfield, Mass.

pared for each tree and shrub mass on the plan. These specifications include height, width, shape, texture and specific characteristics desired, as year-round foliage or fruit. Once the specifications have been determined, it is much easier for one to refer to plant lists and to select plants that will fulfill the specifications.

Most of the hollies respond well to pruning and shearing. In habit they are compact and dense, which makes them fine for hedge plants. If a dense medium or tall hedge is desired, Ilex opaca, Ilex cornuta, Ilex aquifolium and Ilex vomitoria are good choices.

Another way to have enclosure without having a clipped hedge is to use hollies in combination with other plants to form a background planting. A border of this type might incorporate hollies alone, with low, medium and tall forms, such as Ilex crenata helleri, followed by groupings of Ilex crenata and Ilex cornuta and finally utilizing for the taller masses one or two of the tree forms available. Since this combination would be predominantly green except for the color furnished by the fruiting forms, other plants could be massed in front of the border. Bulbs; chrysanthemums; small flowering shrubs such as pieris, mahonias and azaleas, or dogwoods would be examples of plants to use for mass color effects. One should select plants that provide interest at different periods.

Year-Round Interest

Living areas need to have year-round interest, since so many are visible from inside the house. Hollies are especially important for providing color in late fall or winter with their fruit. Snow on a holly tree makes another beautiful picture. One of the varieties of Ilex opaca or aquifolium would be suitable. Shrub forms of hollies with attractive mass displays of fruit also contribute to the winter picture.

Hollies provide a deep, rich green color 12 months a year and are ideal plants to serve as a background for other plants with interesting bark, flowers or fruit. Year-round interest may also be created by adding architectural features such as steps, gates, fences or sculptured pieces, provided these features fit into the over-all design pattern.

Too many living areas make it possible to see the complete development in one glance from the terrace. A pair of specimen hollies can be spaced far enough apart in the yard to hide a portion of the development. This helps to develop a hidden area that often creates interest on the part of the viewer, leading him to wander

POP-I CARRIER



IT'S NEW!

A can lifter to avoid cut fingers and tired wrists. This is the tool every nurseryman has been waiting for. It will lift any can 3 gallons and up. The cans do not need to have a lip. Price \$3.25.

WRITE FOR INFORMATION ON DISTRIBUTORSHIP
Manufactured by

POP-I COMPANY

2213 Peach Rd. Houston 24, Tex.



Puts "extra profits" in your greenhouse operation!

Skinner overhead greenhouse irrigation produces a fine, uniformly distributed mist of water that deeply penetrates into the root zone—gives you efficient, effective watering at lowest possible cost. Is also used for humidification.

Skinner engineers, backed by over a half century of irrigation experience, will be glad to plan for you—without obligation—a system based on your particular needs.

free bulletin describes Skinner equipment and services. Write TODAY!

SKINNER SYSTEM
OF IRRIGATION

The SKINNER IRRIGATION CO.
250 Water Street, Troy, Ohio

... for over a half century

Want to know how to get more profit... from lawn building and landscaping jobs? Write Dept. AN-1229 for literature on

YORK RAKES
AND SCARIFIERS

YORK MODERN CORP.
UNADILLA NEW YORK

down to view it. Hollies are especially effective for this type of development if the branches are allowed to be full at the base of the trunk. Spaciousness will be suggested if hollies with a bold texture are used at the opening and hollies with a finer texture are planted in the recessed area.

Border Enframing Needed

A perennial border in the living area often needs to be enframed and given a suitable background. Hollies, because of their attractive foliage, are especially good. The front of the perennial border can be strengthened by the use of edging plants. Ideal for this purpose are some of the horticultural varieties derived from *Ilex crenata*, such as *helleri*, *Kingsville* and *Kingsville Green Cushion*.

Hollies are effective as an accent at the garden gate, pool, beginning of a path, in the rock garden or at the top or bottom of the steps separating one level from another in the living area. What plants to select will depend on scale.

Some living areas lack interest and sparkle. Properly placed and selected garden furniture on the terrace or on the lawn helps to make the area look inviting and livable. Dwarfed or miniature hollies planted in containers or ornamental redwood boxes on the terrace add interest if properly blended into the over-all design picture. They also provide conversation pieces.

Garden lighting is becoming popular as a means of making the living area more usable after dark and extending the period that gardens may be enjoyed. One of the effective ways to use outdoor lighting is to highlight a specimen tree that is in the outdoor living area or is visible from one of the windows in the living area of the house. A specimen form of *Ilex opaca* or *Ilex aquifolium* would be ideal for use as a focal point.

Suitable in Foundation Planting

In many areas, broad-leaved evergreens are being emphasized over conifers in plantings around the foundations of homes and public buildings. Let us first consider home landscaping.

There are several different hollies that are suitable for foundation planting. These hollies may be used alone or in combination with other plants. What plants to select or how to arrange them in the foundation plantings often puzzles homeowners. It is important to keep in mind that the basic purpose of foundation plantings is to help create an over-all pleasing composition. One should

Millions and Millions of Pots ago as now . . . THE BIG NEWS IN BIGGER PROFITS **CLOVERSET POTS**

MORE than 20 years ago, nurserymen were introduced to a new wrinkle in plant containers—the Cloverset Pot. It was a low-cost container that made cash-and-carry sales more profitable. It stimulated more sales, because it enabled nurserymen to economically pot stock previously sold bare root and to present it for sale in a more attractive form—alive and growing, yet simple to set out. Millions of Cloverset Pots have been made and used in the last 20-odd years and they still tell the same profitable story. If you've never tried them, order a sample set now.

HERE'S WHY CLOVERSET POTS ARE SUPERIOR TO OTHERS:

- 1 Lasts a full year or more in the sales frame.
- 2 Contains roots safely within the soil ball; permits transplanting any time.
- 3 Has adequate bottom opening for good drainage without waterlogging; no gravel necessary.
- 4 Rests on wide bottom; no blowing over in the frames.
- 5 Available in sizes to accommodate stock of any salable size.
- 6 Is neat and uniform in appearance, an asset to the sales area.
- 7 Tough enough to permit easy handling in potting shed and frame.
- 8 Easy for customers to remove—at once, a week later, or even a month after they take stock home.
- 9 Lightweight (but with all these qualities) to save on freight costs.
- 10 . . . and sufficiently low priced so that it may be given away with the plant.

SIZES FOR EVERY NEED

Roses, Perennials, Shrubs and Young Trees

Size	Height	Top Diam.	Nearest Clay Pot	No. in Carton	WEIGHT Per 1000	F.O.B. Kansas City		Cloverset Pot Prices
						Per 100	Per 1000	
No. 0	5 1/4 ins.	5 ins.	6 ins.	200	210 lbs.	\$1.25	\$40.00	F.O.B. Kansas City.
No. 1	6 1/4 ins.	6 ins.	7 ins.	100	340 lbs.	5.25	50.00	
No. 2	9 1/4 ins.	7 ins.	8 ins.	100	535 lbs.	5.75	55.00	
No. 3	9 ins.	8 ins.	9 ins.	100	600 lbs.	6.25	60.00	
No. 4	13 ins.	12 ins.	....	25	133 lbs.	25 pots, \$7.75; 50 pots, \$14.00; 75, \$21.75; 100, \$26.15; 1000, \$231.00.	

SEND IN THIS HANDY COUPON FOR A SAMPLE SET OF CLOVERSET POTS



Dept. AN129, 10550 Wornall Rd.
Kansas City 14, Mo.

☐ I enclose 50c; please send me a sample set of Cloverset Pots (limit, one set).

☐ Please send me information on Cloverset Pots and Cloverset Rose and Garden Dust.

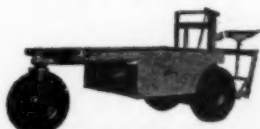
NAME.....

FIRM.....

ADDRESS.....

CITY..... ZONE... STATE.....

Electric TAYLORTRUCKS



Model AN 3-54, 1/4 ton



Model B-3-72, 1/2 ton

FOR
10c
PER
DAY

QUICK, QUIET HAULING AROUND YOUR GARDEN CENTER

PHONE TODAY FOR INFORMATION and FREE DEMONSTRATION

MEADOWS BROTHERS NURSERY SUPPLIES

P. O. Box 277, Altadena, Calif.

Phone: SYcamore 7-1171

JUST
PUBLISHED

\$4.95
per copy

Ornamental Crab Apples

By Arie F. den Boer

- 226 pages
- 4 color illustrations
- 112 drawings and sketches

Written by the leading authority on flowering crab apples, who has spent over 30 years collecting, growing and studying this plant. Descriptions are included of practically every kind now grown by the nursery trade and others which will be offered in the future when they become better known.

Chapters include information on principal species, variety of form, foliage, flowers, time of flowering, fruit, forcing as pot plants and what to plant for various locations and purposes. Also comments on planting, pruning, protection, propagation and diseases and insect pests.

ORDER YOUR COPY NOW.

AMERICAN NURSERYMAN
343 S. Dearborn St.
Chicago 4, Ill.

Please send me _____ copies of *Ornamental Crab Apples* by Arie F. den Boer at \$4.95 per copy.

Name _____

Address _____

City _____ State _____



THIS BIG HAND TRUCK Will Save You Money

Handle heavy jobs easier, faster, with fewer men. Get into places otherwise inaccessible to heavy equipment, without damage to established lawns.

HANDLES 40-INCH BALL
1500 LBS.

Write for folder giving details and prices.

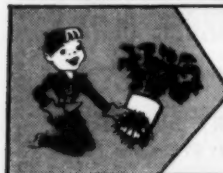
We Make
3 Sizes
of Trucks

THE GARDEN SHOP, INC.

6315 W. 75th St.
OVERLAND PARK, KAN.

Phone Niagara 2-4838 (Kansas City, Mo.)

Built to
Handle
B&B
Material



JACK POT

THE QUALITY
PEAT POTS

A. O. REYNOLDS Co., Lebanon 3, Ind.

think first in terms of tree and shrub masses and how they may be blended together into a composition that is pleasing.

When the planting arrangement is being considered, one should take time to visualize how large these trees and shrubs should be in the years to come. If one knows ahead of time that for the best landscape effect the plantings at the corners should be about five feet tall, one should select a plant that normally grows about that height or be prepared to start pruning as the plant approaches the preferred height.

In creating this picture, one may well seek to accent the doorway, soften the lines of the house and tie the various plant groups together as well as provide shade, framing and a suitable background. Too many vertical forms and different types of plants should be avoided. The failure to understand how or when to prune is often responsible for the poor condition of foundation plantings. For example, one often sees the beautiful Chinese holly pruned so that the top resembles a ball or an egg-shaped form. Severe pruning also cuts down on the potential fruit display.

The horticultural varieties, *Ilex crenata* and the slower-growing forms of *Ilex cornuta* and *Ilex vomitoria* are valuable as foundation plantings if handled properly. When low ground covers are needed to tie the taller grasses together, the low-growing hollies are excellent. One should select the low-spreading or compact forms such as *Ilex crenata*, *Ilex helleri* or the rotunda variety of *Ilex cornuta*. Specimen tree forms of hollies may often be used in the foundation plantings when a tall mass is needed for framing or breaking harsh vertical lines.

Uses Around Public Buildings

Around churches, schools, office buildings or industrial buildings, mass plantings are often needed. Shrub forms of hollies lend themselves well to such group plantings. Tree forms of holly may be combined with these mass plantings where height or accent is needed.

Away from the building, hollies are excellent for screening parking areas or border planting. The tree forms make ideal specimen plants for large lawn areas. Hollies planted in groups help to create a beautiful foreground for public buildings.

This plant group is important to landscape designers of large public areas such as parks or college campuses because it includes many varieties that are especially attractive during the winter season. Many parks are open throughout the year and

need
Hollie
foliage
ideal
ter be
to be
In ac
many
scapi
groun
hedg
and
beaut

Gr
hollie
tende
signe
acqu
ties of

At
States
progr
sides
great
are ne
ony of
The g
tercha
change
there?
trees?
The
pend
of Am

From all of us at New Yorker Bag & Burlap Co. ...



Season's Greetings and Best Wishes
for a healthy and prosperous 1960 to all our
friends in the nursery industry.

We thank you for your past patronage
and hope that we may again serve you in the
year ahead.



new yorker bag & burlap co.

651 MARSHALL STREET, ELIZABETH, N. J.
ELIZABETH 4-3115

need to be attractive at all times. Hollies, with their deep rich green foliage and display of fruit, are an ideal plant group for creating winter beauty. College grounds also need to be attractive in the winter months. In addition, hollies may be used for many other purposes in the landscaping of parks and institutional grounds. They are suitable for hedges, screening, accent, windbreaks and for providing mass displays of beauty.

Greater use will be made of the hollies when more park superintendents, nurserymen, landscape designers and others become better acquainted with the numerous varieties of this plant.

Roadside Planting

At the present time in the United States there is a great road-building program going on. Along the road-sides there is an opportunity for a great deal of landscaping. Plantings are needed to help break the monotony of mile after mile of open land. The ground area needed for an interchange is large. Will these interchange areas just be grass? Will there be superhighways with no trees?

The answer to these questions depends on how interested the people of America are in having well-land-

NAMSCO PEATS =

FINELY GRANULATED
HIGHLY ABSORBENT
TOP-QUALITY
CANADIAN AND
EUROPEAN

**PEAT
MOSS**



SALES REPEATS

Prompt Shipments
"Hollandia" Burlap
SQUARES
REED MATS
for Coldframes

Write for Prices
State Requirements
NEW AMSTERDAM IMPORT CO.
120 Grand St., White Plains, N. Y.

ROUGH BROTHERS Low-Cost Convertible

**PLASTIC
HOUSE**

PRACTICAL! VERSATILE!
SIMPLE!

NOW a 20-ft.-wide Convertible Plastic
House with the same features offered
in our 16-ft. house



- ★ SAVES LABOR
- ★ REDUCES UPKEEP
- ★ NO SAGGING PLASTIC
- ★ NO PAINTING
- ★ LONGER LIFE--Reinforced by Rustproof Wire

Write for complete information

ROUGH BROTHERS

4229 Spring Grove — Kirby 1-6180 — Cinti. 23, Ohio
Manufacturers & Builders of America's Finest Greenhouses

A. M. & SON LEONARD

PIQUA, OHIO

Knives - Shears - Pruning Tools
Nursery Spades-Grafting Supplies
Write for Catalog

JIFFY-POTS AND PLANT BANDS FOR NURSERYMEN

Write for Literature

GEO. J. BALL, INC.

West Chicago, Ill., Phone 299

Flora- MIST FOGGER

A PRACTICAL ECONOMIC
WAY TO PROVIDE MOISTURE
FOR PLANT PROPAGATION
AND HUMIDITY CONTROL



No. 300
PAT. PEND.

55¢

Simple in design
Little or no maintenance required
Field-Tested for effectiveness
Priced for extensive use and
VOLUME SELLING!

**SPECIAL
SELLING PLAN
FOR
DEALERS**

For
FREE SAMPLE
and complete information
Write To

REED S. KOFFORD CO.

P. O. BOX 453 A
VAN NUYS, CALIFORNIA

scaped highways. Garden clubs, plant societies and other groups should let highway engineers know that they want good highway landscaping. There are many places for hollies in this road-building program.

PURCHASING PLANTS

[Continued from page 12]

Standard flowering shrubs (weigela, spiraea, forsythia, etc.): 2 to 3 feet or 3 to 4 feet.

Dwarf flowering shrubs (dwarf deutzia, spiraea, hypericum, etc.): 15 to 18 inches.

Spreading evergreens (spreading yews, junipers, ilex, etc.): 15 to 18 inches or 18 to 24 inches.

Upright evergreens (upright yews, pieris, etc.): 18 to 24 inches.

Tall evergreens (spruce, arborvitae, hemlock, American holly, etc.): 2½ to 3 feet.

Flowering trees (crab apple, plum, cherry, etc.): 5 to 6 feet.

Shade trees (maple, honey locust, oak, plane, etc.): 8 to 10 feet or 9 to 11 feet, 1¼ to 1½-inches caliper.

Hybrid tea and floribunda roses: No. 1.

Vines: 2-year, No. 1.

Azaleas: kurume: 12 to 15 inches; others: 15 to 18 inches.

For well-established plant markets and in popular kinds of plants, two sizes are usually purchased. It is best if these are two sizes apart; for example, offer a 12 to 15-inch grade and an 18 to 24-inch grade, or a 15 to 18-inch and a 2 to 2½-foot grade, but not a 12 to 15-inch and a 15 to 18-inch.

The reason for this is that justification for the difference in price is readily apparent in the eyes of even the most inexperienced customer. Therefore sales personnel do not have to waste time demonstrating the differences in grades and can concentrate on describing the special characteristics of the various varieties offered.

Large Specimens Valuable

It is also valuable to stock a few really large specimens of popular kinds, especially if the plant market is run in conjunction with a growing nursery. This builds occasional handsome individual sales and makes it possible for the sales personnel to demonstrate easily how the smaller specimens will develop.

Psychologically, the big price tag that should be attached to these mature plants makes the prices asked for smaller specimens seem more favorable. The isolated plant market must continually face the problem of attracting people to the premises



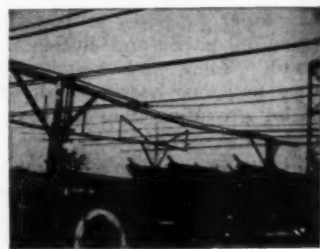
"GRANATE" CUTTING TOOLS

Imported tools of forged Solingen steel by Kamphaus, famous German toolmakers. Large selection of pruners to choose from in various sizes to fit your needs. New, colorful, plastic-covered handles make Kamphaus tools move fast in every garden shop. Knives for flower, garden and delicate nursery work available. Ask for descriptive catalog including information on hedge shears and tree-cutting equipment.

J-M TRADING CORP.

Dept. AN
323 S. Franklin St.
Chicago 6, Ill.

FOG HAS A PRACTICAL USE IN ALL TYPES OF NURSERY OPERATIONS



GROWERS: Harden off tender, fresh-dug stock the natural way. No shading necessary. See photo above.

PROPAGATORS: Outdoor fogging is still the most economical propagation method.

GREENHOUSE humidification, for cooling and positive moisture content.

See our advertisement in alternate issues for details of equipment and write for free layouts and information.

Mist-O-Gation, Inc.

Dept. A Middletown, Del.

if there are to be any sales at all. Large specimen shrubs or flowering trees prominently displayed in full bloom act as traffic stoppers and constantly present the opportunity for substantial sales as well.

Varieties

The plant market cannot hope to offer simultaneously all the vast array of horticultural varieties available throughout the trade. A sensible general rule is to offer the best well-known variety of each type; for example, only one kind of broad upright yew, but in two sizes, as Hicks or Hatfield yew, but not both, or Vanicek or Bristol Ruby weigela, but not both.

The suggestions following are designed for the area between and around New York and Philadelphia and naturally do not apply in full to other locations.

Evergreens, both coniferous and broad-leaved, are the backbone of the plant market's stock-in-trade. Proved and reliable sellers are yews, spreading junipers, upright arborvitae (especially for hedges), the several Japanese hollies, azaleas, *Pieris japonica*, mountain laurel, some rhododendrons and hemlocks.

There are many beginner customers with definite budgetary limitations who want to start with less expensive evergreens of easy culture. For these clients, such varieties as the various American and Oriental arborvitae, the cypresses (*Chamaecyparis*) spruces and pines will offer a lot of plant for a reasonable price.

Many plant market operations are pointlessly concentrated on evergreens, and the colorful flowering shrubs are overlooked to considerable disadvantage. To begin with, they offer the opportunity for a generous markup. To the public (and, one must admit, to the trade as well) a big plant equals big money. So a large B&B forsythia or weigela in full bloom, though inexpensive to buy, can be sold for a fine price to the satisfaction of all concerned.

Groupings of moderate-size container shrubs make splashes of color that attract the eye and build sales. Most nurserymen think only of privet and barberry for hedges and neglect the wonderful informal hedge possibilities which exist in *Spiraea vanhouttei*, forsythia, *Deutzia* *Pride of Rochester* and others.

In flowering shrubs, stock the most colorful and popular of each variety; *Weigela rosea* and *vaniceki*, *Philadelphus virginialis*, *Spiraea vanhouttei* and *S. prunifolia plena*, *Deutzia gracilis* and *Prunus glandu-*

NOW... YOU CAN BUY ONE MACHINE
TO HANDLE THREE OPERATIONS

MODEL 4-EV



SHREDDER-GRINDER
with DETACHABLE ELEVATOR



This W-W heavy-duty Model 4-EV Shredder-Grinder with elevator gives you maximum usage of your equipment. You can shred organic matter—stalks, prunings, garbage, bones for faster composting or for mulch—or you can grind, shred, screen, or mix soil, compost, peat moss, hard manure, etc., and load or pile it automatically. The elevator detaches from the basic shredder-grinder, and since both of these units have independent power you can use them separately. The shredder-grinder unit has interchangeable grinding screen and shredding roller bars to give you the ultimate in versatility. Priced at only \$782.40. Portable models available, starting at \$96. All prices f.o.b. factory. Liberal financing. Write for free literature.



Model 4-EV being used as a shredder-grinder only.



Model 4-EV elevator used as a loader separately.

W-W GRINDER CORP.

2957-F NORTH MARKET • WICHITA 4, KANSAS

IT'S PRACTICAL - - IT'S ECONOMICAL
IT'S IDEAL

The IDEAL PLASTIC GREENHOUSE by National is one of the least expensive greenhouses ever designed and yet is without a doubt one of the best spring plant money-makers on the market today.



This is a 16-ft.-wide house in lengths from 47 ft. 6 ins. to 97 ft. 6 ins. in 5-ft. multiples. Note that it is free of supporting columns and makes use of one piece of plastic only on the roof. Note, too, that plastic is installed from the ground... not off a scaffold or by climbing around on the roof. Two men can easily erect a 97-ft. 6-in. Ideal House in two days. Although this is a relatively new model of house, one of our customers has just ordered his fourth unit... proof of his satisfaction with the Ideal House.



It would be difficult to find another house with quality and capabilities offered here at such low prices. Write or phone now for complete data... be convinced as to the worth of this truly remarkable house. Immediate shipment.

NATIONAL GREENHOUSE CO.

402 E. Main St.

Pana, Ill.

NEW SOURCES OF PROFIT FOR YOU



MID-STATES steel wire items for yard and garden offer you substantial new sources of profit... from direct sales (every home owner a potential customer) and in combination with your nursery sales, for protecting and decorating. Look...



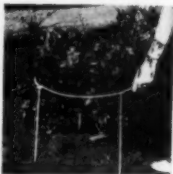
Guard-N-Guides for guarding flowers, shrubs, trees against damage by hose or electric power tool cord; guides and protects hose or cord itself when being pulled into position. Twelve in each attractive self-display carton.



Garden Skirts

of white enameled

welded wire fabric; practical, versatile as decorative borders or plant protectors. Four panels and five stakes in each attractive self-display package.



Flower Supports

Strong wire up-rights for protecting flowers and shrubs. Each unit 27" high with 1/4" curved support section; 3 units per set. Attractively packaged for retail display.

ALL NATIONALLY ADVERTISED!
For details, write or wire...



MID-STATES

STEEL & WIRE COMPANY

Crawfordsville, Ind. • Jacksonville, Fla.

losa rosea plena are a few in this category.

For Autumn Color

Only recently have many plant markets begun to explore the sales potential of fall-berried shrubs. The various pyracanthas are a splendid example of this class, and a good form of *P. lalandi* is still the most reliable.

The red-fruited viburnums are another valuable group, especially dilatatum and setigerum, and so are the red-fruited cotoneasters, especially horizontalis and praecox. Long after earlier fruiters have lost their appeal, the glossy red berries of the winterberry, *Ilex verticillata*, remain firm and brilliant.

The small flowering trees offer considerable sales possibilities because there is room for several in even the smallest yard. Again, the rule should be to select the best of each type in planning what to offer in the market.

In crab apples, *Hopa*, *floribunda* and *Katherine* are indispensable. In cherries, *Kwanzan* and *subhirtella pendula* are the first to be carried, and of course pink and white dogwood are staples. *Prunus Thundercloud*, *Magnolia soulangeana* and the tree form of *Crataegus phaenopyrum* (*cordata*) are the best of their respective classes.

Although their flowers are not a primary consideration, *Sorbus aucuparia* is a regular seller for its fall fruit and birch for its white bark. All of these trees have proved themselves under plant market conditions.

When the speculative builder has finished with a tract of land it looks as though what used to be termed "the Great American Desert" has abruptly moved east! The seemingly endless repetition of this situation virtually guarantees a steady demand for shade trees.

Show Specimens

Experience has shown that the smaller grades are best handled re-established in baskets of soil or large containers. If the firm also delivers and plants stock, a few large B&B specimens predug for display purposes make an impressive combination when placed among evergreens or small shrubs and account for some large individual sales on occasion.

Hours of pleasant debate can be spent on the question of what is the best shade tree, and each will have its own loyal supporters. Recent years' experience at Princeton Nurseries has indicated that (in order of decreasing sales) the most popular varieties are as follows: Norway maple and its varieties, named va-

PETERS SPECIAL

THE FINEST NAME IN PLANT FOODS!

Unexcelled for
Container Feeding!

PETERS SEQUESTERED FERTILIZERS

with
M 77

Exclusive Chelating Formula
Positively Will Not Clog!

(See our classified ad in this issue)

ROBERT B. PETERS CO., INC.

ALLENTOWN, PENNA.

Mention The American Nurseryman when you write.

HAWAIIAN FERN POLES

Ideal for Bark Work

SQUARE CUT POLES

	No. Per Carton Weight		
1x1x16 in.	144	17 lbs.	\$14.00
1 1/4x1 1/4x18 in.	128	28 lbs.	19.95
1 1/2x1 1/2x24 in.	64	26 lbs.	14.00
2x2x18 in.	72	32 lbs.	15.00
2x2x24 in.	36	32 lbs.	11.50
2x2x30 in.	36	38 lbs.	14.95
2x2x36 in.	36	38 lbs.	19.75
2x2x48 in.	36	48 lbs.	28.50
4x4x60 in.	9	60 lbs.	38.00

NATURAL SECTION POLES

These are triangular, the long side being in natural state. Poles are strong, attractive and cost less than square cut poles.

3x36 in.	20	40 lbs.	\$14.00
3x48 in.	20	50 lbs.	19.50

NATURAL FERN SLABS

These are approximately 2 in. thick, 5 to 7 in. wide.

24 in.	12 per carton, 24 lbs.	\$10.00
48 in.	12 per carton, 48 lbs.	16.40

These are basic sizes. The slabs are easily cut by saw to make other sizes.

HAWAIIAN FERN FIBER

Best-growing medium yet found for ORCHIDS

In Three Grades:

COARSE—for grown plants
MEDIUM—for mature seedlings
FINE—for community pots

Analysis and full information available on request.

\$4.00 per bag, approximately 2 cu. ft. Prices are quoted F.O.B. New York and California.

BERKERY, INC.

62 Rodeo St., New York 7, N. Y.

THERE'S MORE TO SHREDDING THAN SHREDDING



Royer Shredder Model 16, with Batch Hopper. Capacity, up to 20 cu./yds./hr.

A compost or soil shredder must do more than just shred. For the best plant growth, material must also be blended, mixed and aerated. Lumps should be broken. Sticks, stones and foreign material should be removed. Air space must be provided.

No shredder will do these things as well, or as economical, as a Royer. No manufacturer offers the wide range of sizes and models as Royer.

There's a Royer that's "just right" for your operation. And when you're comparing shredders, remember, it's performance that counts.

Bulletin S-59 pictures and describes 24 Royer Shredders—portable and stationary—designed for mechanical feeding. It will help you choose the model best suited to your needs. Send for your free copy today.



ROYER

ROYER FOUNDRY & MACHINE CO.

(182 PRINGLE STREET / KINGSTON, PENNA.)

varieties of thornless honey locust, pin oak, sugar maple, London plane and lindens.

Of course, weeping willow, although not a shade tree in the same sense as the above, is a ready seller, and Lombardy poplar is still much used as a rapid-growing screen plant.

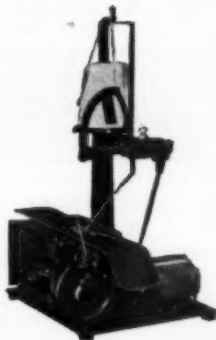
How Much To Buy

How much to buy is a really difficult question on which to generalize, because, of course, the amount purchased is dependent upon how well the plant market has become established and the volume of business it is doing. The following observations are intended for the newcomer to the plant market field.

It is common experience that the new operator buys too many varieties of plants during his first year of operation. Often he has read many books on plant material and has become too enthusiastic about a wide list of varieties for the good of the business. Until a considerable list of customers and a good working capital have been built up, the most profitable plan is to stick to the best few of each plant class as explained earlier.

How many to buy of each variety actually selected is governed by two opposing necessities. Enough specimens of a given plant must be dis-

NEW FELINS AUTOMATIC TYER FOR TYING NURSERY STOCK — CUT FLOWERS



Model F-4-N

Fast — Efficient — Rugged

- Geared to 80 ties per minute.
- Adjusts automatically to any size bunch up to 19 ins. in circumference.
- Places a uniform tie around a bundle making a firm nonslip knot.
- Lightning fast. Ties roses, glads, seedlings, cut flowers, as well as any other type nursery stock.
- Uses cotton twines 3 to 24-ply, tapes and braids, fine sisal and jute.
- **WRITE FOR CIRCULARS AND PRICES NOW.**

FELINS TYING MACHINE CO.

3351 N. 35th St.
Milwaukee 16, Wis.


played to create an appreciable show and give the customers the satisfaction of shopping — of selecting his own special plant from among many. Conversely, there is no point in displaying many more plants than will be sold, with the result that capital must be tied up unprofitably in holding them over until the next selling season.

If a plant is to be carried at all, except for large specimens, at least 10 of a grade should be stocked. Unless the volume of business is large,

no more than 50 of a grade should be on hand. These limits of course do not apply to ground covers, bedding plants, vegetable plants, geraniums, hedge plants and similar types, which are normally sold in considerable volume.

Also, there are certain classes of colorful flowering plants, such as chrysanthemums and azaleas, that are powerful attracters because of the big splashes of color they create in mass display. A display of 100 small azaleas will sell many; a dis-

Pete Moss



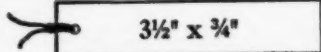
**SAYS TO ALWAYS CONTACT
DUNWOODY WHEN YOU
NEED PEAT MOSS. WE
HAVE BEEN SERVING
THE TRADE WITH
QUALITY PROD-
UCTS FOR OVER
100 YEARS**

EZL. DUNWOODY CO. 10 S. 18th St.
PHILADELPHIA, PA.

Please Mention AMERICAN NURSERYMAN When Writing Advertisers.

ALUMINUM TAGS

(All-weather)



- Patented cardboard backing permits easy embossing with ordinary lead pencil.
- Heavy eyelet. Copper-wired.
- Attractive silver Aluminum, backed with yellow cardboard.
- Inexpensively priced:

1000 for ... \$16.00 250 for ... \$6.00
500 for ... 10.00 100 for ... 3.00

Please Write for Free Samples

BERRYHILL NURSERY CO.
P. O. Box 696 Springfield, Ohio

PLASTIC LABELS

- Permanent Label—Easily Attached
- Red, Yellow, Orange, Green
- Printed or Blank—Also Red "SOLD" Tag

Prices per 1000	No. 100 1/2 x 5 in.	No. 101 3/4 x 7 in.
1000 to 4000	\$4.40	\$6.40
5000	4.00	5.40
10,000	3.75	4.75
20,000	3.15	4.65
50,000	2.95	4.50

Plastic Bin Cards—Any Size, Printed or Blank
Write today for prices and samples.
PREMIER SOUTHERN TICKET CO., INC.
1621 Dana Ave. Cincinnati 7, Ohio

"MISTER 100"

Patent Applied For
MIST PROPAGATION NOZZLE—finest ever developed—wide coverage—flat plane of mist. Spaced 3 ft. apart—drilled and tapped holes—3/8 in., 1 in. or larger pipe. Sample postpaid \$1.00. Satisfaction guaranteed. Send for your sample today.

WHITESHOWERS, INC.
17514 Woodward Ave. Detroit 3, Mich.

BRODLEAF

Imported Holland

PEAT MOSS



Roots screened out

You get the best part—the Peat Flakes!

Genuine BOSKOOP
REEDMATS

**HOLLAND BURLAP
SQUARES-3 Grades**

- Boskoop
- Standard
- Film-embedded
VIKING WRAPS

**HALF
MOON**

MFG. & TRADING CO.

90 West St., New York 6, N. Y.
Address all correspondence to:
Box 27, Plainfield, N. J. PL 5-8228

Dependable Emergency Heat!

HY-LO GREENHOUSE HEATERS

Available Through:

Al Saffer
130 W. 28th St., New York 1, N. Y.
Griffin Greenhouse Supplies, Inc.
349 Main St., Reading, Mass.
Florist Products
1843 Oakton, Des Plaines, Ill.
Stuppy Florist Supply Co.
1014 Oak St., Kansas City, Mo.

Nationally Distributed by



ALEC HENDERSON, INC.
1313 W. RANDOLPH STREET
CHICAGO 7, ILL.

POLY-TAINERS

For Container-Growing
Quality Nursery Stock

PRACTICAL—ECONOMICAL—EVERLASTING

TRIAL CARTON CONTAINING
15 EACH, 3 AND 5-GALLON SIZES
12.75, Postpaid

Native American Holly Farms
115 S. Penn St. Manheim 10, Pa.

play of 10 or less will be lost in the other stock and sell none.

Consequently these plants may be deliberately overbought somewhat, and the cost of the unsold plants, after their season is over, may be allocated to the advertising budget. In the regular stock, however, one should buy conservatively of the best varieties and most popular grades and expand only on the basis of actual experience in his own particular location.

How To Buy

Here are some considerations that greatly enhance a customer's relationship with his wholesale supplier. Some of them are intangibles, to be sure, but they add up to the total reputation your firm holds in the trade. There is no question that the firms with the best reputation enjoy advantages not available to those that are slipshod and careless in their trade relations.

Be professional—order plants by their proper names, including botanical names, to avoid possible confusion. Order and correspond on business letterheads. Reputable wholesale firms make a real effort to restrict their price lists and sales to the trade.

An order sent in on unmarked stationery or a postcard has to be checked against some authoritative list to determine whether the prospective purchaser is really a nurseryman or dealer. Even if this latter case appears to be true, this purchaser does not look like a well-established or financially substantial one.

Order bare-root shrubs or small trees in units of 10 whenever possible; this saves untold work wherever this common unit of bundling is employed; and every movement counts during the busy season. Order by the American Association of Nurserymen grade designations, which most suppliers use: 2 to 3-foot or 3 to 4-foot shrubs. Do not order 3-foot shrubs, as this poses the inevitable question, "which grade does he mean?" and often entails extra correspondence.

(It must be confessed here that a few wholesale firms, seemingly out of sheer perversity, are once again listing stock by other than standard A. A. N. grade designations and thus introducing a measure of confusion into a situation which seemed to be clarified at last.)

Save money by discounting your nursery bills. The discounts earned by paying bills within 10 days, or even before shipment, are enormous, making it worthwhile even to borrow from a bank, if that is necessary, to pay the bills early. Firms which fol-

"I foresee safe protection..."

if you wrap to ship with Thilco

Special NURSERY WRAPS

Truer words were never spoken — so why gamble on plant and shrub damage losses by using inferior wrappings when Thilco Special NURSERY WRAPS protect tender roots with safety and surety — are so easy to handle — and save so much in shipping costs over heavier, cumbersome methods. Poly-coated, Asphalted and Waxed grades now available in "small nursery" quantities — and can be furnished PRINT-DECORATED to your own desires for just a few cents more!

NURSERY WRAPS FOR EVERY WHOLESALE-RETAIL NEED

- POLYETHYLENE COATED KRAFTS
- WAXED AND WAX-TREATED KRAFTS
- ASPHALT LAMINATED KRAFTS
- DUPLEX COMBINATION WRAPPINGS
- STRONG, FLEXIBLE, CREPE COMBINATIONS
- VENTILATED, TIE-STRIP BULB BAGS
- POLY-COATED SEED PACKETS
- CUSTOM GRADES FOR EVERY NEED
- RETAIL SALE COUNTER ROLLS —
- PRINT DECORATING—ALL GRADES AND BAGS



WRITE FOR FREE NURSERY WRAP SAMPLE KIT

... Direct to mill or any of these sales offices

NEW YORK • CHICAGO • DETROIT • BOSTON • CLEVELAND • CINCINNATI • CHARLOTTE

Thilco

Functional Papers

TRIUMPH PULP & PAPER COMPANY
KAUKAUNA • WISCONSIN

low this wise practice save far more in discounts than they pay in interest charges on the loans, but the story is not ended there.

Seemingly everybody wants full delivery on April 1 in my area, and obviously it is impossible for any grower to so satisfy all. The plant market fully stocked at the beginning of the real heart of the selling season obviously sells more than one less favored. Most growers, especially smaller ones, concentrate on delivering first the orders which will be paid for most promptly. Why? They, too, need capital to finance the heavy expenses of the digging season. In addition, it is obvious that any special prices or delivery advantages will be saved for the best-paying customers.

If for one reason or another payment has to be extended, keep the supplier informed of the status of your account. Regular partial remittances, or a small interest check if these are not possible, will keep the supplier confident about the account, especially if one also sends a friendly note frankly outlining future plans for payment.

Similarly, if complaints seem justified, a reasonable, fair statement of the situation will gain far better results than an unpleasant outburst,

WOOD LABELS

For Nurserymen

DAYTON FRUIT TREE LABEL CO.

Ray and Kiser Sts.
DAYTON, O.

Add color to your nursery with Keiding Art-Pots

Keiding

PAPER PRODUCTS CO.
Milwaukee 18, Wisconsin
Lebanon, Pennsylvania

which may relieve the accumulated frustrations of the writer, but is certain to arouse the resistance of the recipient. As in all business dealings, the Golden Rule is still the only basis for a long-term, mutually beneficial relationship.

Finally, get to know your supplier personally. Because of his experience with others in your field of endeavor, he can often be of real help in suggesting improved methods of marketing, new varieties that are becoming

DOMESTIC BURLAP SQUARES

In lots of 1000 or more in each size.

	Per 1000
24x24 ins.	\$37.50
26x26 ins.	41.00
28x28 ins.	44.00
30x30 ins.	48.00

This should offer considerable savings to large users of domestic squares. All covers are made from vacuum-cleaned, bright burlap bags, free of holes and perfectly uniform. Samples will be gladly mailed upon request.

HARRY STOLLER & CO.
30-40 Maple St. Chelsea 50, Mass.

Ideal Garden Gadgets...

Metal label markers with heavy-duty steel stakes and aluminum labels. Send for folder today.

LANSING SPECIALTIES MFG. CO.
Dept. A 2258 818 Clark Rd., Lansing 17, Mich.

ing popular and other innovations.

With your daily contact with the buying public, you can be of great assistance in guiding the grower's program into lines of far greater productivity. We can all be thankful that the nursery industry has not gone the way of so many others, and that warm personal relations between those in the production and marketing phases of the business are still one of its finest intangible rewards.

Propagating Ghent and Mollis Azaleas

By Sylvester G. March

While the so-called evergreen azaleas are among the most popular landscape plants in America today, there are two groups of deciduous azaleas, the Ghent and mollis, that are seldom planted and are certainly worthy of a place in the landscape plan. True, they cannot be used in the same manner as the evergreen types, but they are nevertheless valuable because of their unique color range, large flower size and occasional fragrance.

Quite frequently these two groups are lumped together under the term Dutch azaleas. This is unfortunate, since there are a number of differences between the two groups. The Ghent azaleas were developed in the 1820's in Belgium and England. Used in the crosses which produced the Ghents were some native American azaleas, namely *Rhododendron calendulaceum*, *nudiflorum* and *viscosum*; *R. flavum* from the Caucasus, and *R. molle* from China.

The mollis azaleas were developed in Belgium and Holland some 50 years after the Ghents. *R. molle* from China and *R. japonicum* from Japan were used in the breeding. Many of the mollis azaleas, though, are simply selections from *japonicum*. Descriptions of these parent species may help to give a better understanding of their offspring.

Parents' Characteristics

R. molle, from China, bears heavy clusters of golden yellow flowers, each three and one-half inches across, in April and May before the foliage appears. It is hardy to zone 8.

Flowers of *R. japonicum*, from Japan, are orange red to scarlet, two to three inches across, and are borne in 6 to 12-flowered clusters. The plant flowers in April to June before leaves appear. It is hardy to zone 7.

R. flavum, or the Pontic azalea, is native to the Caucasus and is also hardy to zone 7. Its fragrant, 2-inch flowers are yellow, appearing in 10 to 12-flowered clusters in May before the leaves.

R. calendulaceum, the flame azalea, is found growing from Pennsylvania to Georgia and Kentucky. The 2-inch flowers are orange yellow

to scarlet orange, with a blotch on the upper lobe. These are produced in clusters of five to seven, in May and June along with or shortly after the leaves. This species is hardy to zone 6.

R. nudiflorum, hardy to zone 4, is found growing from Massachusetts to North Carolina. The pink to near-white flowers are one and one-half inches across. They appear in April and May before the leaves, six to 12 to a cluster, and have a sweet but not spicy scent.

R. viscosum, or the white swamp honeysuckle, is found growing from Maine to South Carolina. Its fragrant flowers are white, tinged rose, one and one-half to two inches across and are borne in 4 to 9-flowered clusters, which appear in June and July after the leaves. It is hardy to zone 5.

Hybrids Retain Hardiness

The Ghents, because of the hardiness contributed by *viscosum* and

nudiflorum, are extremely cold tolerant, withstanding temperatures of 15 to 20 degrees below zero. The mollis group, although not so hardy as the Ghents, will take temperatures of 5 to 10 degrees below zero.

Like their parents, *molle* and *japonicum*, the mollis varieties flower before coming into leaf. In Washington, mollis azaleas usually flower the latter part of April. The Ghents usually flower in early May, while, or after, coming into leaf.

The Ghents, because of their varied parentage, have a wide color range—from light yellow to violet red—frequently flushed or shaded with a second color. The mollis forms tend toward shades of yellow, orange and red, with occasional white.

The most outstanding characteristic of the mollis azalea is the large size of the individual flower—up to three inches across—and the great number of flowers in a cluster, often giving the appearance of a rhododendron. Two characteristics pe-



Learn

PROFESSIONAL LANDSCAPING

Easily & Quickly
AT HOME

INCREASE YOUR EARNINGS by rounding out your operations! More and more nurserymen are discovering that a thorough knowledge of professional landscaping—now taught you at home by my new Simplified Methods—pays big dividends in increased sales. Complete training, in residential & commercial landscaping, in horticulture—in the growing, propagation, use and maintenance of ornamentals. Latest information on everything new—new propagation methods, latest insecticides, gibberellic acid, and modern landscape designing. Our training program used by hundreds of nurserymen coast to coast in training and upgrading employees. Plant lists and specialized information for all sections. Attractive diploma and lifetime consultation service for all graduates. Send for FREE Booklet. Air mail reaches us overnight.

NATIONAL LANDSCAPE INSTITUTE Dept. N-129-A 11826 San Vicente Blvd., Los Angeles 49, Calif.

USE NURSERICANS FOR ADDED PROFIT

NOW AVAILABLE
IN 6 SIZES
1 GALLON* THROUGH
6 GALLONS*

*Trade Designations

THE *Lerio* CORP. Mobile, Ala.
P. O. Box 1050
Valdosta, Ga.
P. O. Box 567

FLORISTS' TEXTILES PLASTICS

X. S. SMITH, INC.

Box 272

Red Bank, N. J.



KILLS WEEDS

R-H Granular
Weed Rhap-20

Kills Lawn Weeds
Water Weeds
Cornfield Weeds

Ready-to-Use!
Dealers Wanted

REASOR-HILL CORPORATION
Box 36 AN, Jacksonville, Ark.

BURLAP

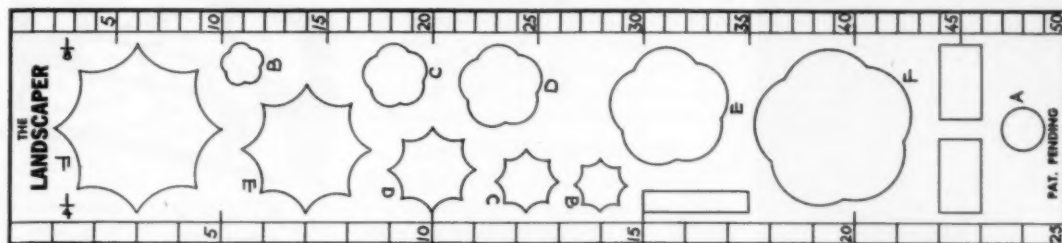
Various Sizes

Write for prices and samples.

STERLING BAG & BURLAP CORP.
41 Carolina St. Buffalo 1, N. Y.
Phone: CL. 2339

An address presented by Sylvester G. March, propagator, United States National Arboretum, Washington, D. C., at the Virginia nurserymen's short course held at Fairfax, Va., earlier this year.

AS SIMPLE AS A-B-C . . .



HERE IS THE TOOL THAT DOES YOUR DRAWING

FOR LANDSCAPE DRAWING

This NEW flexible, plastic rule THE LANDSCAPER together with the ABC HOME STUDY LANDSCAPE SYSTEM will enable a beginner to become a skillful landscape designer within a few weeks. The very first drawing will appear quite expert. Nothing like it for new salesmen. WILL MAKE EITHER A 1/8-IN. OR 1/4-IN. SCALE DRAWING. Symbolizes Evergreens and Flowering Shrubs.

For the landscape designer this rule will make plan drawing a pleasure. It will cut your plan-drawing time in half and will give your drawing an accurate professional touch that will SELL the job.

For salesmen, landscape designers, nurserymen, landscape contractors, architects and homeowners.

Price for one dozen rules and one ABC Home Study Landscape System, \$12.00. Terms: Cash with order.

Note: Sample copies of other landscape sales aids will be sent along with your order.



EDWARD F. McHUGH 431 Chestnut St. Kingston, Pa.

cular to the Ghents are flower doubleness, contributed by double forms of calendulacum, and flower fragrance, contributed by viscosum and nudiflorum.

Obstacles To Wide Use

Perhaps the greatest factors hindering the popularization of the Ghent and mollis azaleas in the United States were the high cost of imports and the difficulty of propagating them here. In England, Holland and Belgium, they are propagated by grafting and layering. In this country, grafting has proved too costly and unsatisfactory because of suckering stock. Layering, too, has proved costly and too slow.

What was needed was a commercially feasible method for propagating these azaleas in America. Realizing this problem, the United States National Arboretum, Washington, D. C., in 1955 initiated a program to develop such a method, in which I and other members of the staff participated.

From earlier reports of attempts to propagate these azaleas, we knew that we were confronted with two basic problems. The first problem was the rooting of the cuttings, and the second, bringing the rooted cuttings through the first winter and into growth the following spring. With the advent of various types of misting devices at the time, we believed that success might be achieved by using mist in the rooting of softwood cuttings.

In four years of experimentation with 110 varieties of Ghent and

Everyone enjoys the aroma of Cocoa Beans . . .
SELL BETTER because they SMELL BETTER

USED ON FAMOUS... *Hershey Gardens*

HERSHEY ESTATES KO-KO MEAL . . . from the inedible parts of the cocoa bean—a fertilizer and soil conditioner with nearly twice the plant food value of most animal manures.

HERSHEY ESTATES KO-KO MULCH . . . unground cocoa bean shells mulch and beautify as no other product can. Good for everything that grows.

FLORIDA, N. Y., PENNA. **ALL OTHER STATES:**
Inquiries To: **The NATIONAL IDEAL Co.**
HERSHEY ESTATES 2533 W. Central Ave.
Hershey, Pa. Toledo 6, Ohio

Write for **FREE** Samples

MIST-A-MATIC®

PATENT PENDING

AUTOMATIC MISTING PROPAGATION SYSTEM
ONLY SYSTEM WITHOUT CLOCKS TO SET

So Simple — So Dependable — Trouble-Free

Proved by Leading Growers

Write for Free Illustrated Descriptions

E. C. GEIGER CO., P. O. Box 270, NORTH WALES, PENNSYLVANIA

USE BARTLETT SAWS



No. 114 Rapid Cut Pruning Saw combines for the first time: Quick cutting. Smooth cutting. Easy operation.
Price, \$9.25 delivered in U.S.A.
No C.O.D.'s, please.

BARTLETT MFG. CO.
3058 E. Grand Blvd.
DETROIT 2, MICH.

BUDDING STRIPS

Headquarters for
GOODRICH BUDDING STRIPS
and
RAFFIA

A. A. Westcoast and
X. X. Superior
Can make immediate shipment.
THOMAS MEEHAN & SONS
428 W. Germantown Pike
Plymouth Meeting, Pa.



SPECIAL DISCOUNT ONE MAN TREE MOVER

Now ONE MAN can dig, ball, load, unload and plant trees up to 2000 lbs. Fully adjustable nylon sling can be positioned without "rolling" the tree.

1500-lb. crane, \$119.00 less 10%
2500-lb. crane, 169.50 less 10%
2000-lb. sling, 27.50 less 10%

Mounts for any body truck.

IDEAL CRANE CO.
P. O. BOX 516 WICHITA FALLS, TEX.

You Can Learn LANDSCAPING

Increase your earnings! Develop a hobby!
Now you can learn landscaping in 8 to 12 months with this thorough easy-to-follow method!

American Landscape School can teach you the newest, most modern landscape methods and trends . . . right in your own home! You'll study contemporary landscape and garden design, drafting, mapping and field work. You'll improve your knowledge of horticulture, construction, superintendence, salesmanship, office practices. Successful graduates throughout the world. 43rd year.

FREE to all students: 45 illustrated lessons
9 valuable textbooks
Dictionary
Consultation service
Monthly letter
50 imprinted business cards
Drafting set free with advance full payment



Mail coupon for complete information.

AMERICAN LANDSCAPE SCHOOL

Accredited by National Home Study Council (Charter member)

Dept. 2129-B, 4040 42nd St. Des Moines 10, Iowa

Please tell me how modern landscaping methods can increase my income.

Name.....

Address.....

City..... State.....

Your basic manufacturing source for
TINSEL ★ FLOCK ★ FLITTER

ADVANCE PROCESS SUPPLY CO., Inc.
2315 W. Huron St. Chicago 2-9000 Chicago 12, Ill.

mollis azaleas, many different techniques were used, involving the time of year the cuttings were taken, the type of cut made, the strength of the rooting agent, the dipping method, the effect of lights on rooting, the type of rooting medium and the type of misting system and misting nozzle.

Recommended Equipment

We have found the following to be the most satisfactory equipment for use in the rooting of these azaleas: Watco misting system, set for six seconds on and three minutes off from 6 a.m. to 8 p.m. (turns off entirely from 8 p.m. to 6 a.m.); Fog-mist nozzle No. 550A, spaced on 3-foot centers for a cutting bench three feet wide, and General Electric heating cable, set to maintain a bench temperature of 70 to 75 degrees Fahrenheit.

The best time to take cuttings is while new growth is still green to the base and has just begun to harden. This is usually from about the last week in May to the first week in June in the Washington area. The ideal size of the cutting is four to six inches, but, in some varieties with less vigorous growing characteristics, cuttings may be somewhat smaller.

We collect all cuttings at one time and store them in polyethylene bags at a temperature of 40 degrees until all cuttings have been collected and we are ready to prepare them for insertion in the rooting medium. In preparing the cutting we remove the foliage from the lower third of the cutting and make a clean, straight cut with a sharp knife.

Rooting Agent and Medium

The rooting agent we found most satisfactory was Hormodin No. 3. The cutting is inserted dry into the hormone to a depth of three quarters of an inch, the excess powder being tapped off. As a rooting medium, fibrous German peat (screened through a 1/4-inch wire mesh) and clean, sharp sand in the ratio of two parts peat to one part sand, by volume, does well.

Cuttings should be inserted in the medium to a depth of one and one-half inches and firmed by watering in. They should be spaced so that there is only slight overlapping of the leaves in and between the rows. We have found that 1 1/2-inch lath slats with 2 1/4-inch spacing in 4-foot sections are the most satisfactory for providing the necessary shade.

The following were found to have no influence on rooting: Artificial lights, formation of the terminal bud at the time cutting was taken, position on plant from which cutting was

THE BEST FOR LESS!

**HY-GRO
SOLUBLE
FERTILIZER**

Now 50 lb. poly-lined bag at 100-lb. price, 50 lb. for

\$10.00

13-26-13 analysis & secondary elements.



at your wholesaler or
Plantabbs Corp., Balto 1, Md.

RA-PID-GRO Makes More Money For You 2 WAYS!



1. Use it!
2. Sell it!

STOCK UP ON
RA-PID-GRO NOW
RA-PID-GRO CORP.
Dansville, N. Y.

The Pioneer In Foliar Feeding



Florist & Nursery

SIGNS

For literature and prices, write GROWERS SIGNS, Tallmadge, O.

PERFECTION MARKERS ARE BETTER



for Park Trees, Display Gardens, Field use or Greenhouse Pots or Benches. Proven by thousands of users and every one a booster! You'll like them, too. They will stand for years at one marking, or may be changed any number of times for various markings. Send for catalog and prices of the complete

PERFECTION LINE.

The S-W Supply Co., 33, Girard, Kaa.

Remember, it's **Ryan**

SOD CUTTERS THAT CUT SOD, CULTIVATE, AERIFY AND EDGE

Lindig
EARTH SHREDDING EQUIPMENT
Manufacturing Co., Inc.

1875 WEST COUNTY ROAD C
ST. PAUL 13, MINNESOTA

taken, size of cutting and type of cutting.

At the end of six weeks the cuttings are well rooted and ready for potting. Cuttings with a root system insufficient to maintain them are discarded. The cuttings are potted in 4-inch pots in a mixture of equal parts loam, sand, leaf mold and peat. It is advisable to shade the plants and to syringe them frequently the first week to 10 days in order to acclimate them to a less humid atmosphere.

Problem No. 2: Overwintering

The second problem, and the one that has given us the greater amount of difficulty, has been getting the rooted cuttings through the first winter and into growth the following spring. The cuttings tend to become dormant after rooting and to die by the following spring. It was our belief that if we could get the plants into growth immediately after rooting they would come through the winter and break normally in the spring.

To date the most satisfactory method of doing this is to place the rooted cuttings under lights. We use 100-watt bulbs with reflectors, spaced three feet apart, two and one-half feet above the plants in a bench 4 feet wide. The lights are controlled by a General Electric time clock set to go on at 8 p. m. and off at 6 a. m. This amount of light will induce shoot growth.

The plants are kept under lights from the time of potting—usually about the third week in July—until the first week in September, at which time all lights are discontinued and the plants hardened off. The plants may be overwintered in a coldframe or in an unheated greenhouse.

TREE-GROWING CONTEST

North Haven Garden, Dallas, Tex., is gaining favorable and inexpensive publicity by sponsoring a tree-growing contest for all scout groups in the community, according to owner Ralph Pinkus. The nursery, which has conducted the event two years, this year gave 2,400 boy and girl scouts one young Arizona ash tree each, together with planting instructions. The contest's objective was to grow the trees to a minimum height of six feet. The first three boys and girls to achieve this were awarded useful prizes, which were all spoken for by the first week in August. Contest publicity—newspaper stories and pictures—stimulated many parents and other interested groups to visit the nursery and resulted in customer gains.

You name the place



...and without obligation to you, a qualified representative will arrange a prompt demonstration of the fastest, most economical chipper in the world. Then you can see for yourself how aggressive is the new power unit of ASPLUNDH CHIPPERS; how it hungers for great loads of bulky brush; how easily it consumes limbs of 6" diameter.

And remember, the efficiency and economy of the completely safe, simply designed ASPLUNDH CHIPPER has been proven in service by the largest tree company in the world.

You will see, in demonstration, that an ASPLUNDH CHIPPER is, by far, the best buy in chippers on the market today.

WRITE TODAY
for FREE illustrated folder
and for a demonstration.



ASPLUNDH CHIPPER COMPANY

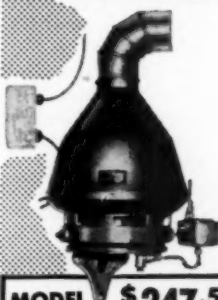
505 York Road, Jenkintown, Pa.

By Actual Test the Fastest Chipper Made

ELIMINATE DRY AIR IN YOUR GREENHOUSE and grow healthier plants

with STANDARD
AUTOMATIC Humidifiers

- Pays For Itself • Eliminates Hand Watering
- Automatic Controls Maintain Proper Climate For Plant Growth • Prompt Shipment



MODEL 31 \$247.50
Complete
for medium sized greenhouses

STANDARD ENGINEERING WORKS
PAWTUCKET, R. I.

The temperature watchdog
STANDARD'S G. H. 5 GREENHOUSE TEMPERATURE ALARM
Battery-operated, maximum-minimum type with 1962.
Made of nonferrous metal, insulated wiring, platinum contacts, unbreakable crystal, chrome-plated case. Scale 20 to 100 degrees F. \$22.50. Write for details. Dept. AN.
STANDARD THERMOMETER, INC.
BOSTON 25, MASS.



big BAS-KITS
-straight sides of welded wire, poly lined. Bottoms. open mesh.
1 1/2 gal. to 2 1/2 bushels
they last for years
big BAS-KITS
RD 1, NEW HOPE, PA.
BAS-KITS are sold at TUCKERMAN NURSERY

BURLAP

Paper Wraps • Shade Cloths • Poly Tarps • Saran • Nails • Twines
SEAMAN BAG CO.
2512 S. Damen Ave. Chicago 8, Ill.

Peat Pots — Labels — Plant Bands

Vaughan's
Seed Co.

Send for our catalog.
601 W. Jackson Blvd. Chicago 6, Ill. 85 White St. New York 13, N. Y.

GREATER YIELDS . . .
GREATER PROFITS
WITH **Simplex**
SOIL and TISSUE TESTING

pH
NO₃
P
K
NH₄
Ca
SO₄
Cl
CO₃
Mg
Al
NO₂
Fe
Mn

**EASY**

Simple test instructions
No knowledge of chemistry needed
Test results figured by simple arithmetic

ACCURATE

Test results in parts per million easily converted to pounds per 1000 sq. ft. or acre by simple tables

INEXPENSIVE

Outfits available in three, reasonably priced sizes—\$28.50, \$36.50, \$54.50 F.O.B. Norwalk, Ohio

MONEY BACK GUARANTEE

Write for full information before purchasing *just any* soil testing equipment. You'll be glad you did.

THE EDWARDS LABORATORY

P. O. Box 318 C • NORWALK, OHIO

HYPONEX
Soluble **PLANT FOOD** Complete
GROWS BETTER PLANTS IN SOIL, SAND OR WATER

SELL HYPONEX for extra profit. Nationally advertised. Steady, repeat sales. Millions now buy it for house plants, garden flowers, vegetables and lawns.

USE HYPONEX. Commercial and home growers use for seedlings, cuttings, transplants, general feeding of all plants. Sturdier plants.

Retail Price	Dealer & Grower Cost
1/2 oz. pkt. 15¢	48 to case. — wt. 3 lbs. \$4.80 case
2 oz. can 29¢	36 to case. — wt. 7 lbs. \$6.96 case
5 oz. can 59¢	24 to case. — wt. 11 lbs. \$9.44 case
10 oz. can \$1.00	12 to case. — wt. 12 lbs. \$9.00 case
2 lbs. can \$2.45	6 to case. — wt. 15 lbs. \$9.00 case
5 lbs. can \$4.85	4 to case. — wt. 24 lbs. \$13.20 case

Larger Sizes Available. If Jobber Can't Supply, Order Direct. Write for list of other ONEX home and garden products.
HYDROPONIC CHEM. CO., Copley 21, Ohio, U.S.A.

Dutch and Domestic
BURLAP
PLAIN and TREATED

Established 1925
IMPORTERS—MANUFACTURERS
Distributors of Bird Pots,
Menne-Pots and Lerio Nursericans
J. SHORE & CO.
Chelsea, Mass.

THE WORLD'S BEST — 100% SOLUBLE
Immediately Available to Roots
PLANT MARVEL
"Just as you water"
for HOUSE PLANTS • SHRUBS • ROSES • VEGETABLES
Write for FREE SAMPLE, prices, etc.
PLANT MARVEL I.B. Dept. 922 W. 110th St.
ANA-129 Maywood, Ill.

South Dakotans Gather for College Field Day

By Jesse M. Rawson

Separate afternoon sessions for nurserymen and florists assured each group time for discussion of its own problems at the fifth annual field day for florists and nurserymen held October 26 on the campus of South Dakota State College, College Station.

The nurserymen gathered in the faculty lounge of the Student Union building, and the meeting was called to order by Don Johnson, Johnson Landscape Nursery, Sioux Falls, president of the South Dakota Association of Nurserymen. After the showing of a film on home landscaping, Ray Clark, state nursery inspector, discussed the need for the state nursery inspection service and the necessity of doing work on barberry eradication.

Regulations Suggested

He also suggested that an attempt be made to adopt regulations under the framework of the present law to set up specific requirements for handling and storing nursery stock for sale. Adjoining states recently did this, he stated, and it is time for South Dakota to consider similar controls. Verne Eberlein suggested that a code of ethics for state nurserymen be formulated. The matter was referred to the executive committee after discussion.

President Johnson brought up the matter of a proposed list of hardy materials for South Dakota. The decision was made to appoint a number of nurserymen to work with the state nursery inspector and the horticulture department at South Dakota State College in preparing such a list. Motion was made and carried that the S. D. A. N. meet again in February, the date and place to be decided by the president.

Earlier in the day, the joint morning session was opened with a panel discussion entitled "Growing Together," with a nurseryman, a garden club member, a florist, an educator and an extension worker as panelists.

President Don Johnson of the S. D. A. N. emphasized the need to get more plants into the hands of more persons. Trade members can do this by continuing to bring before the public, the state legislators and others the important values to be

DARLING'S
"Rite in the Rain"
**WATERPROOF
TREE AND PLANT LABELS**
"Rite in the Rain" labels are not just another paper label. They are made of tough tagboard and chemically treated to make them waterproof. Ordinary pencil markings do not wash off. These are longer lasting yet low-cost labels. Millions are used every year by nurserymen.
Write for samples and prices.
J. L. DARLING COMPANY
BROWN'S POINT, TACOMA, WASH.

Twine and Cordage
For All Nursery Requirements
GEO. B. CARPENTER & Co.
SINCE 1840
401 N. Ogden Avenue, Chicago 22, Ill.

F.T.E. SAFER! SURER!
Fritted Trace Elements
Nontoxic
Slow-soluble
Provides essential iron, boron, manganese, zinc, copper and molybdenum in new slow-soluble form. Won't leach away. Nontoxic when used as directed. More than 2 million pounds used last year in premium fertilizers. Try it and prove the difference for yourself! Send \$2.50 for 5-pound bag (or \$3.95 for 10 pounds), parcel-post prepaid.
FERRO CORPORATION, 4171 East 56 St., Cleveland 5, Ohio

ROOTSPRED TREE PLANTERS
Plant seedlings on rough land: Steep, stony, brushy, heavy sods, at 10 times the hand rate and with better survival.
Two models: Standard at \$365 and the M-65 at \$245 for easier sites.
Write for details.
ROOTSPRED
ST. PETERSBURG, PA.

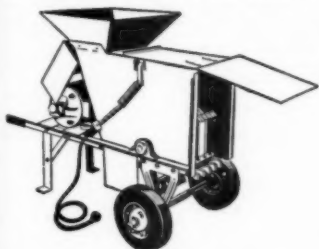
TINA, the only brand recommended by the German Nurserymen's Association.
Request our illustrated catalog.
HERMANN A. WIRTH
Levittown, N. Y.

A Real Money-Maker
BIG TREE MOVER
Two Sizes—Fits Any Standard Truck
Write for details.
WILLIAMS & HARVEY NURSERIES
P. O. Box 8822 Kansas City, Mo.

Because you can't depend on rain . . . depend on
WADE RAIN
SPRINKLER IRRIGATION
MUELLERMIST IRRIGATION
SUPPLY CO.
P. O. Box 471, Maywood, Ill.

BETTER SOIL PREPARATION FOR LESS WITH KEMP

The KEMP outstanding service record is well-known among professional growers and has been for two thirds of a century. Features pioneered by KEMP are today accepted as standard. A KEMP has fewer parts to wear and get out of adjustment like the feature of all shredding teeth being stationary. This has proved one of the big features that keep the KEMP on the job instead of in the repair shop. The KEMP improved principle of soil shredding (not grinding) aerates and retains the moisture and nutrients for better yield.



PRICES START UNDER \$100.00

KEMP capacities range from 2 to 40 cubic yards per hour. Learn more about the complete KEMP line. New illustrated, informative catalog now ready—send for your copy today.

NEW ALL-PURPOSE MODEL

KEMP Model 6-0 soil and compost shredder is widely accepted as an aid in shredding old discarded stalks, vines and plants for the compost pile. The KEMP 6-0 shreds soil perfectly for both bench and potting in addition to accelerating the decomposition of materials for composting.

KEMP SINCE 1890
MFG. COMPANY

"First In Soil and Compost Shredders"
Dept. 18, 1027 E. 20th St. Erie, Pa.



FINEST QUALITY - PROMPT SERVICE
LABELS PRINTED TO ORDER

Write for samples, prices and discounts.

THE BENJAMIN CHASE CO.
DERRY VILLAGE, N. H.

ALUMINUM SUN-FIN RADIATION

Ideal for Greenhouse Heating



EASILY INSTALLED
IT WILL NOT RUST

Descriptive literature and prices sent on request

SUNDERLAND PIPE SHOP
4302 Woodland Ave., Kansas City, Mo.

gained by using more plants and flowers in South Dakota. While the state is one of the less developed in the nation, he pointed out landscaping has increased greatly in the past few years.

Give Gardeners' View

Mrs. Leo Monteith, Brookings, speaking for the garden club members, asked for newer plants of tested hardiness and better quality and correctly named varieties. Gardeners would prefer to obtain these nearer home if possible. She also suggested that a survey be made to determine what flowers and plants grow best in the various areas of the state.

E. C. Thomsen represented the florists, stressing the need to educate the youth of the state in the use of flowers. Prof. S. A. McCrory, head of the department of horticulture and forestry, commented on the role of the state college in helping South Dakota commercial growers, and Dean Martin, extension specialist in horticulture, outlined the function of the extension service, advising the nurserymen and florists to become better acquainted with their county extension agent.

After a midmorning coffee break, D. B. Johnstone, garden seed department, Northrup, King & Co., spoke to the group about the trial grounds near Minneapolis, Minn., which are under his supervision.

He pointed to a number of trends in American gardening. More sophistication is apparent in the use of plants and flowers, although in most areas it does not equal that found in European countries. Bold masses of pure colors are replacing mixes; more white and more foliage plants are being used, and there is more demand for dwarfier, more compact plants.

Hybridization has led to more uniform and more floriferous strains in many new colors. However, hybrids usually revert rapidly to less desirable types; so home saving of seeds is impractical. This gives the bedding plant grower the opportunity to sell new hybrid plants each spring. A series of slides of the choice newer species and varieties of spring bedding plants was shown and discussed.

The last speaker before lunch was Vincent Bailey, J. V. Bailey Nurseries, St. Paul, Minn., vice-president of the American Association of Nurserymen. Speaking on the subject, "Your Trade Association," he stated that the benefits of group action are rather obvious but all too often are taken for granted.

An active nursery group should work in three areas — production, [Concluded on page 106]

SEYMOUR SMITH
SNAP-CUT
PRUNERS

NO. 1 PRUNER



FIRST
in Sales...
Performance...
Profit...
Packaging...
Consumer
Acceptance

SEYMOUR SMITH & SON, INC.
OAKVILLE, CONN.
Sales Representatives
John H. Graham & Co., Inc.
105 Duane St., N. Y. 9, N. Y.

Annual Index to Contents

Volume CIX — January 1 through June 15, 1959

First figure is issue number; figure after colon is page.

GENERAL FEATURES

All-America Mum Selections	2:14
All-America Rose Selections	11:18
All-America Seed Selections	2:8
Arnold Arboretum Test Case	2:46
Arborists' Certification, Eastern	8:138
Australian Nurseries	12:13
Bryants Sell Nursery	9:92
Can-Can Carnival	11:7
Charlie Chestnut	
"It Might Have Been Different"	8:54
"Just a Day in August"	7:66
"The Greatest Show on Earth"	9:48
Colored Greenhouses	9:53
Containers, Growing Plants in	8:68
Container-Grown Stock	
Fertilization Studies with	10:12
Consumer Survey (Portland, Ore.)	10:68
Consumer Survey (Oregon)	6:139
Copper Solution To Preserve Wood	2:114
Effects of Humidity on Plant Growth	11:80
Foliar Analysis	9:32
Forest Tree Seed Crop	9:60
Garden Center Conference (New Jersey)	6:7
Gibberellin Effects	7:76
Interior Planting	5:126
Lines, Heavier (Conn.)	9:100
Long Island Association Reorganizes	11:12
Marketing Research (Pa.)	2:48
Markup, Figuring	7:42
Michigan Forest Unit Ends Sales	11:42
Minnesota Nursery Business	1:9
Naming Plants, New Rules for	2:65
Nursery Centers in Europe, Part II	2:9
Nursery Gives Own Show	7:43
Nutrition (California Institute)	5:16
Oats with Fertilizer	2:12
Planning a Nursery, Part III	8:17
Plant Patents (1766 to 1835)	2:126; 4:167; 7:83; 8:140; 12:62
Plant Search Abroad	9:105
Plastic Foam Structure for Storage	12:12
Repairing Tree Damage	4:112
Soil-Wetting Agents	12:14
Seedling Sales Plan	8:144
Spring Flower Shows	7:7; 8:9
Spring Trade Reports	11:9; 12:7
State Highway Funds	9:62
Straightening Crooked Locusts	5:15
Stock Standards Revised	9:62
Tax on Interstate Business	8:66
Television Advertising	3:8
This Business of Ours—See Authors:	
E. Sam Hemming	
Truck "Mail" To Cut Costs	10:37
Underground Greenhouse	8:18
Weed Control (Virginia)	3:14
Weed Control Meeting (Northeast)	2:106
Weed Control Movie	9:110
Weed Control (New England)	5:8
Weed Control (New Hampshire)	7:10
Weed Control (Tennessee)	9:14
Western Holly Names	11:62
Winter Transplanting	2:58
Wisconsin Regulations on Stock Sales	6:72
Wood Chips for Nurserymen	9:16
Woody Ornamentals, New	2:116

LANDSCAPING

Bank Landscaping Fits Community	1:16
Do-It-Yourself Plan Sells Landscaping	9:7
Fothergilla Group	2:13
Highway Planting (Ohio)	4:9
Indoor Landscaping	12:30
Landscape Conifers	10:38
Landscape Workshop (Iowa-Illinois)	7:15
Lines in the Landscape	8:14
Magnolias for the Landscape	4:14; 6:15
Multiple-Stemmed Trees, Part I	12:11
Office Planting	2:16
Roses in the Landscape	2:7

GARDEN SHOPS AND MERCHANDISING

Advertising Fund Through Fertilizer Sales	8:86
Atlanta Garden Center	7:16
Business Identity, Establishing	2:80
Do-It-Yourself Landscaping	9:7
Garden Centers (California)	8:12; 10:10; 10:11; 12:10
Garden Centers (Ohio)	4:8
Garden Center Problems	3:8
Garden Centers (Pennsylvania)	6:9
Hobby Market, Developing the	9:84
Honey Nursery Attracts	9:86
Kansas Garden Center	9:11
Merchandising Nursery Stock (Long Island)	7:16
Missouri Garden Center	3:81
Siebenhafer's New Garden Center	11:15

DISEASE AND PEST CONTROL

Black Spot on Roses, New Fungicides	
Control	10:8; 10:75
Cherry Fungus Control	10:49

Elm Leaf Beetle	3:32
Maple Gall Midge	10:70
Northwest Pear Decline	1:80
Nutrition and Diseases (California)	6:12
Peach Leaf Curl	4:170
Plant Pest Clinic (Ohio)	8:16
Sour Cherry Virus	9:15

PROPAGATION

Progress in Propagation	5:144
Propagators' Meeting Reports	1:15; 2:10; 8:116
Rooting Large Evergreen Cuttings	2:15

PLANT FEATURES

Azaleas and Rhododendrons, Hardy	
(Conn. Course)	11:82
Blaze, New Apple	8:143
Boxwoods, Interesting	3:36
Chrysanthemums, New Minnesota	1:57
Comanche Peach	8:145
Connecticut Plant List	7:77
Crab Apples	9:8
Dexter Rhododendrons	2:128
Dwarfed Fruit Trees, Production and	
Marketing of	10:86
Floragrand Blackberry	2:57
Forsythia Selection	8:7
Holly (Oregon)	6:144
Holly, Japanese	6:38
Lilacs, Best Seventy	11:10
Pear Trees, Dwarf	9:10
Taxus, Best (Chadwick)	5:8
Tree Legumes	7:34
Viburnums (Stan Says)	9:46
Walnuts, English, for Northern Plantings	2:11

PLANT NOTES

Ajuga Rainbow	5:86
Althaea Blue Bird	2:76
Amsonia Tabernaemontana	9:56
American Burnet	6:76
Anemone Sylvestris	9:54
Anise Hyssop	1:76
Anthemis Sancti-Johannis	6:94
Blue Daisy	6:94
Brunnera Macrophylla	1:74
Calochortus	3:52
Carex Fraseri	4:100
Centaurea Babylonica	5:84
Centranthus Ruber	10:48
Christmas Rose	4:101
Chrysanthemum Charm	7:88
Columbines	7:84
Crambe	7:87
Dicentra Oregana	9:57
Dodecatheon Pulchellum	2:78
Foamflower	5:82
Fragrant Plants	11:44
Gilia Longiflora	3:50
Globe Mallows	12:38
Ground Covers	11:47
Helleborus Tuberosa	2:76
Heucheras	5:82
Incarvillea	8:80
Inula	1:75
Iris Foetidissima	3:50
Iris Graminea	11:44
Iris Innominate	12:38
Jasione	2:77
Lampranthus Blandus	6:96
Lindelia Longiflora	1:74
Lupines	4:102
Lychnis Arkwrighti	8:83
Monarda Granite Pink	10:47
Nolinas	7:84
Penstemon Azureus	11:46
Permanent Hardy Border	6:95
Phlox Diffusa	11:45
Phlox Divaricata Laphami	2:77
Pyrethrums	1:72
Sedum Ewersi	8:80
Skullcaps	9:54
Snowball, Small	8:80
Stokesia	11:44
Stonecrops	9:54
Tahoka Daisy	7:86
Trillium, Double	5:82
Yucca	2:74; 9:60

AUTHORS

Chadwick, L. C.	
Best in Taxus	5:8
Carleton, Dr. R. Milto	
Straightening Crooks Is Profitable	5:5
Dilatash, Tom	
Growing English Holly in the	
Northern States	9:13
Eickhorst, Walter W.	
New Woody Ornamentals of Value to	
Nurserymen	2:116
Enright, L. J.	
Rooting Large Evergreen Cuttings	2:15
Fisher, George	
Modern Roses in the Landscape	2:7

Hemming, E. Sam	
This Business of Ours	1:52; 2:58; 3:36; 4:44; 5:64; 6:38; 7:34; 8:34; 9:42; 10:38; 11:36; 12:30
Huddleston, W. I.	
Sponsor Local Landscape Workshop	7:15
Lewis, Clarence E.	
Interesting Fothergilla Group, The	2:13
Lines in the Landscape	8:14
Magnolias for the Landscape	4:14; 6:15
Multiple-Stemmed Trees, Part I	12:11
Pyramid Trees with Varied Effects	10:9
Lyle, Dr. E. W.	
New Spray Cuts Black Spot Threat on Roses	10:8
Morrison, Gordon	
English Walnuts for Northern Plantings	2:11
O'Rourke, F. L. S.	
Nursery Centers in Europe—Part II	2:9
Pinney, John J.	
Prices and Profits	7:42
Voight, A. O.	
Marketing Research on Consumer Problems	2:48
Watson, Donald	
Nurseries in Australia	12:13
Wells, James S.	
Planning a Nursery, Part III	8:17
Wolff, William H.	
Oats with Fertilizer Help Grow Better Stock	2:12
Wood, C. W.	
Plant Notes Here and There	1:72; 2:74; 3:50; 4:100; 5:82; 6:94; 7:84; 8:80; 9:54; 10:44; 11:44; 12:38
Wyman, Donald	
Best Seventy Lilacs, The	11:10
Choosing among the Crab Apples	9:8
Foremost among the Forsythias	8:7

COVER ILLUSTRATIONS

Acer Mono	5:44
Acer Trautvetterii	2:54
Aesculus Arguta	8:52
Aesculus Carne	7:30
Aesculus Woerlitzensis Ellwangeri	10:34
Cornus Controversa	12:36
Juniperus Rigida	1:60
Picea Abies Nidiformis	9:44
Pinus Nigra Cebennensis	4:42
Pinus Nigra Pyramidalis	3:30
Syringa Vestale	11:40
Taxus Baccata Fastigiata	6:42

BIOGRAPHICAL NOTES

Eickhof, Edward P.	3:11
Lederer, Robert F.	5:14
Lchse, Henry	3:11
Seyler, Harold G.	5:10
Synsael, A. L.	3:10

LEGAL DECISIONS

Account Stated Law	9:94
F. T. C. Ruling (Atlas)	3:54
Landscape Men's Lien	7:90
Mortgage Law	7:90
Nursery a Public Place	9:94
Plant Patent Decision	9:94
Stock Warranties	11:89
Warranty Waived	7:90

MEETINGS

Arizona Association of Nurserymen	1:14
Canadian Association of Nurserymen	7:13
Connecticut Nurserymen's Association	3:12
Eastern Regional Nurserymen's Association	3:4
Idaho Association of Nurserymen	6:11
Illinois State Nurserymen's Association	3:11
Indiana Association of Nurserymen	3:15
Iowa Nurserymen's Association	4:18
Holly Society of America, Inc.	10:7
Kentucky State Nurserymen's Association	5:12
Maryland Nurserymen's Association	4:13
Massachusetts Nurserymen's Association	4:16
Michigan Association of Nurserymen	5:11
Minnesota State Nurserymen's Association	1:12
National Arborist Association	8:8
National Landscape Nurserymen's Association	3:13
Nebraska Association of Nurserymen	1:10
New England Nurserymen's Association	5:7
New Hampshire Plant Growers' Association	7:10
New Jersey Association of Nurserymen	4:11
New York State Nurserymen's Association	1:13
North Carolina Association of Nurserymen	4:7
Ohio Nurserymen's Association	3:19
Oklahoma State Nurserymen's Association	3:19
Oregon Association of Nurserymen	3:17
Pennsylvania Nurserymen's Association	5:9
Plant Propagators' Society	1:15
Rhode Island Nurserymen's Association	6:37
Tennessee Nurserymen's Association	5:14
Virginia Nurserymen's Association	5:13
Washington State Nurserymen's Association	5:17
Western Association of Nurserymen	3:37
Western New York Nurserymen's Association	4:14
Western Pennsylvania Nurserymen's Association	1:28
Wisconsin Nurserymen's Association	1:11

Annual Index to Contents

Volume CX — July 1 through December 15, 1959

First figure is issue number; figure after colon is page.

GENERAL FEATURES

A. A. N. Convention (Philadelphia)	4:7
Convention Report	2:16
Convention Who's Who	2:13
Nursery Industry Pennsylvania	2:19
Pennsylvania Facility for Research and Training	2:12
Pennsylvania Group Sparks Trade Growth	2:12
Philadelphia Horticultural Highlights	2:10
A. A. N. Management Conference	7:13
All-America Camellia Selection for 1960	5:12
All-America Seed Selections	12:12
Angyo, Japan—Nursery Center of the Orient	8:14
Charlie Chestnut	2:48
"Correspondence from Florida"	2:48
"How Far Off the Beam Can You Get?"	9:34
Climate Control	11:52
Container Growing (Louisiana)	2:108
Container-Grown Plants, Standardizing of	4:11
Cost Accounting for the Nurseryman	9:14
Express Plans Filed	4:32
Fall Trade Reports	11:9; 12:9
Florida Scholarship	8:81
Flower and Garden Show at Omaha	2:170
Fossum Foundation	10:46
Garden Center Group's Planning	4:34
Gardeners' Hoe-Down in California	7:76; 11:7
Green Plasma Decree	2:148
Horticultural Congress, Merger Discussed at	10:9
Iceland Nursery	4:134
"International Garden of Tomorrow" (Portland)	4:15
Licensing Laws for Arborists	10:54
Mall Test, Nurserymen Succeed with	11:8
Temporary Maryland Publicity Program	2:18
Michigan's Plant Industry	6:122
Nursery Law, Nebraska	5:40
Nursery Law, Nevada	5:40
Nurseryman's View of Russia	10:48
Nursery Production and Sales Practice	4:18
Nursery Students, How They Are Trained	9:12
Abroad	10:42
Peace Lawn	10:42
"Plant California" Program Planned	10:70
Plant Patents (1836 to 1872)	4:136; 5:85; 6:50; 7:142; 8:87; 9:42; 10:67
Prices and Profits—See Authors: John J. Pinney	2:98
Problems of the Nursery Industry	8:50
Publicity Brochure (N. H.)	9:9
Rabbit Damage	10:109
Rapid Seed Testing	5:104
Refrigerated Storages	1:14
Rose Research Group	5:11
Shenandoah Nursery Hosts Iowa Tour	9:44
Shipping of Stock, How, When and Where	9:76
Sod Windbreaks	2:64; 5:98; 6:91; 10:66
Strawberries Renamed?	10:96
Surveys Growth, Fruit Production of Dwarf Trees	10:97
Texas Rose Festival	10:7
Texas Inspection Law Details	1:68
This Business of Ours—See Authors: E. Sam Hemming	10:36
Trained Gardener, The	7:76
Training for Horticulture (Purdue)	2:160; 4:94
Training in California	3:82
Training Trees	9:56
Tree Bracing and Cabling	8:105
Tree Growth Patterns	10:90
Tree Peony Supply, Visits Japan for	6:11
Turf Problems (Long Island)	3:16
Weed Control (Cornell)	8:80
Winter Harm (Minnesota)	10:7

LANDSCAPING

Compact Trees for the Landscape	8:12; 10:10
Cushion and Mushroom Plant Forms	12:16
Exotic Plants	2:26
History of Gardening	4:58
Hollies Gain Favor as Useful Landscape Plants	12:13
Interstate Highway Landscaping, Plan	10:73
Landscape Mod Home	9:97
Landscaping To Enjoy from Within the Home	4:16
Multiple-Stemmed Trees (Part II)	2:20
New and Old Plants for the Landscape	2:70
Offbeat Landscaping	12:48
"Plant America" Awards for 1960	11:10
Slow-Growing Shrubs, More useful	10:10
Yews in the Landscape	5:50

GARDEN SHOPS AND MERCHANDISING

A. A. N. Center Program	4:12
Building Sales with Timely Displays	7:15
Christmas Hobby Shop Proves Garden Center Profit Builder	12:14
County Agents Discuss Nursery Merchandising	12:15
Fall Festival Builds Nursery Sales	10:12
Garden Center, Almost Automatic	9:13
Garden Center Operations, Pointers on	1:62
Garden Center Program (Texas)	6:10

Garden Center Sessions (Florida)	3:8
Gardeners' Hoe-Down, Second State-Wide Promotion in California	11:7
Increasing Fall Bulb Sales	7:126
Ingenuity Builds Kansas Center	8:10
Landscape Clinics That Click	11:15
Michigan Nursery in New Home	11:14
Modernization, Subject at Awards Dinner (California)	1:55
Non-Nursery Outlets	6:80
Pricing and Merchandising	8:64
Promotion Essential for Garden Center Profits	7:64
Public Relations for the Garden Center	6:108
Purchasing Stock for a New Retail Salesyard	12:11

DISEASE AND PEST CONTROL

Azalea Leaf Scorch	5:121
Bagworm Spray	10:94
Dieback on Taxus	6:105
Elm Beetle Control	2:177
Elm Disease in Kansas	11:38
Enzymes Destroy Fungi	6:119
Fungicides, Systemic	5:120
Gall Insects, Controlling	9:114
Insect Friends	8:52
Nematode Test	6:104
Peach Borer Control	2:14
Scale, Eradication Necessitates	4:94
Seedling Blight and Root Rot of Taxus	10:62
Shoot Moth Tests	2:176
Zimmerman Moth (Michigan)	7:86

PROPAGATION

Cephalotaxus Cuttings	7:16
Cherry Rootstock Study	2:165
Dwarfing Techniques	6:114
Ghent and Mollis Azaleas, Propagating	12:98
Propagation—Dollars and Sense	2:84
Propagating Holly under Mist	7:32
Propagating Unusual Shade Trees	2:26
Rooting Grafted Cuttings	10:94
Taxus, Rooting Cuttings of	7:135
Yellow Birch Seedlings	10:110
Yew, Rooting	2:175

PLANT FEATURES

Crab Apple Survey (A. A. N.)	4:13
Dwarf Shrubs for the Landscape	6:16
Firs Contribute Stately Specimens to Northern Gardens	11:12
Glenn Dale Azaleas	9:58
Hardy Azaleas, Best	8:17
Hawthorns Selected from Numerous Species, Few	9:10
Honey Locusts, Some New	9:102
Holly Variety, New	5:44
Hydrangea List of Garden Species	3:14
Little-Used Small Trees for the South	12:7
Maples	7:10
New Grapes Announced	6:140
New 1960 Roses, Two	10:77
Plants for California	6:94
Pitangas, Commercial	2:164
Rhododendrons and Azaleas for Today's Use	9:7
Shade Tree Renaissance	8:15
Viburnums Useful in Gardens	5:14
Weigela List Reflects Changing Styles	1:12

PLANT NOTES

Aethionema Grandiflorum	4:82
Anemone Pulsatilla Varieties	3:48
Anemone Rivularis	4:85
Anthericum Ramosum	11:68
Aster Star of Eisenach	5:74
Cadonopsis Ovata	10:68
Chrysanthemums, Hardy	9:75
Delphinium Tricorne	8:85
Dianthus Noeaeus	7:85
Erigeron Felicity	6:66
Erius Alpinus	10:71
Eryophyllum Lanatum	2:146
Gentiana Porphyrio	9:73
Geranium Platypetalum	11:66
Geranium Pratenae	10:70
Geranium Pylowianum	11:67
Geums for Cutting	5:78
Helipenther Manglesi	5:75
Iris, Fall-Flowering	8:86
Iris Tuberosa	4:83
Lilium Elegans	3:51
Lithospermum Canescens	10:69
Lobelia Cardinalis	11:67
Manfreda Virginica	11:64
Melampodium Cinereum	10:71
Nierembergia Violet Supreme	2:138
Oak-Leaved Hydrangeas	11:66
Papaver Schinzianum	11:64
Partridgeberry	3:52
Penstemon Hirsutus	8:66
Phlox Drummondii	7:82
Piedmont Wormwood	6:70
Potentilla Tridentata	5:74
Restharrow	5:74

Saxifraga Aizoon	4:86
Silene Virginica	3:48
Silver Thistle	5:74
Talinum	6:70
Tephrosia Virginiana	2:138
Veronicastrum Virginicum	10:68
Viola Cornuta	7:84
Violets, Sweet, in Frames	3:50

AUTHORS

Beecher, Albert S.	12:13
Hollies Gain Favor as Useful Landscape Plants	12:13
Begick, Lester O.	10:48
A Nurseryman's View of Russia	10:48
Billbeck, W. J.	9:14
Cost Accounting for the Nurseryman	9:14
Boyer, C. A.	6:122
Active Division Guards Michigan's Plant Industry	6:122
Brewster, Robert	9:9
Winter Brings Rabbit Damage Threat	9:9
Coggeshall, Roger G.	2:26
Propagating Unusual Shade Trees	2:26
Ferguson, Roy E.	9:102
Some New Honey Locusts	9:102
Flemer III, William	12:11
Purchasing Stock for a New Retail Salesyard	12:11
Galle, Fred	12:7
Little-Used Small Trees for the South	12:7
Gerling, Jake	8:15
Shade Tree Renaissance	8:15
Green, Ralph J., Jr.	10:62
Seedling Blight and Root Rot of Taxus	10:62
Gustin, Jr., Ray	6:108
Better Public Relations for the Garden Center	6:108
Hemming, E. Sam	1:26; 2:118; 3:40; 4:50; 5:60; 6:52; 7:48; 8:52; 9:56; 10:36; 11:52; 12:48
Leach, David G.	9:7
Rhododendrons and Azaleas for Today's Use	9:7
Lewis, Clarence E.	2:20; 4:16; 6:16; 8:12; 10:10; 12:16
Lyle, Dr. E. W.	1:14
Rose Research Group Starts 14th Year	1:14
March, Sylvester G.	12:98
Propagating Ghent and Mollis Azaleas	12:98
Merz, Elmer J.	6:80
Importance of Non-Nursery Outlets	6:80
Miller, Dr. Victor J.	6:114
Experiments May Yield New Dwarfing Techniques	6:114
Morton, Thomas J.	7:15
Building Sales with Timely Displays	7:15
Palmer, Lawrence F.	8:64
Pricing and Merchandising	8:64
Pinney, John J.	5:50
Garden Center Sales	5:50
Prices and Profits	6:36
Todd, Robin	12:15
County Agents Discuss Nursery Merchandising	12:15
Wagner, Fred E.	2:182
Tree Bracing and Cabling	2:182
Watson, Donald P.	9:12
Angyo, Japan—Nursery Center of the Orient	8:14
How Nursery Students Are Trained Overseas	9:12
Weller, Henry A.	2:84
Propagation—Dollars and Sense	2:84
Wells, James	8:17
Best of the Hardy Azaleas	8:17
West, Don	7:32
Promotion Essential to Garden Center Profits	7:32
Wheeldon, Dr. Thomas	11:67
Propagating Holly under Mist	11:67
Wood, C. W.	1:34; 2:138; 3:48; 4:82; 5:74; 6:66; 7:82; 8:82; 9:72; 10:68; 11:67; 12:60
Plant Notes Here and There	1:34; 2:138; 3:48; 4:82; 5:74; 6:66; 7:82; 8:82; 9:72; 10:68; 11:67; 12:60
Wyman, Donald	1:12
Weigela List Reflects Changing Styles	1:12
Hydrangeas Include Old Favorites in Limited List of Garden Species	3:14
Viburnums Valued for Varied Species Useful in Gardens	5:14
Many Forms and Uses Rank Maples High among Trees	7:10
Few Hawthorns Selected from Numerous Species	9:10
First Contribute Stately Specimens to Northern Gardens	11:12

COVER ILLUSTRATIONS

Abies Concolor	1:148
Acer Seneciensis	1:29
Acer Platanoides Globosum	7:52
Asclepias Ochracea Vestita	4:44
Craetagus Monogyna Inermis	9:16
Hydrangea Petiolaris	3:18
Malus Ellwangeriana	6:30

[Concluded on next page]



Pictured above: *Viburnum tomentosum*,
2-yr., S.

	Per 100	Per 1000
<i>Viburnum tomentosum</i>		
2-yr., S., 12 to 18 ins.	\$17.50	\$150.00
2-yr., S., 6 to 12 ins.	10.00	85.00
<i>Viburnum sieboldi</i>		
2-yr., S., 12 to 18 ins.	17.50	150.00
2-yr., S., 6 to 12 ins.	10.00	85.00
<i>Viburnum dentatum</i>		
2-yr., S., 12 to 18 ins.	12.50	100.00
2-yr., S., 6 to 12 ins.	8.50	75.00
<i>Viburnum lantana</i>		
2-yr., S., 12 to 18 ins.	15.00	125.00
2-yr., S., 6 to 12 ins.	8.50	75.00
<i>Mahonia aquifolium</i>		
2-yr., R.P.	10.00	85.00
1-yr., S.	6.50	50.00
Washington Hawthorn		
2-yr., R.P., 12 to 18 ins.	15.00	125.00
2-yr., R.P., 18 to 24 ins.	22.50	200.00
1-yr., S., 6 to 9 ins.	7.50	65.00
<i>Cotoneaster acutifolia</i>		
1-yr., S., 6 to 9 ins.	7.50	65.00
<i>Cotoneaster divaricata</i>		
2-yr., S., R.P., 12 to 18 ins.	17.50	150.00
2-yr., R.P., 6 to 12 ins.	10.00	85.00
<i>Syringa vulgaris</i>		
2-yr., 12 to 18 ins. .	10.00	85.00
2-yr., 6 to 12 ins. .	8.50	65.00
European Mountain Ash		
2-yr., T., 2 to 3 ft. .	17.50	150.00
<i>Ilex verticillata</i>, <i>Koeleruteria paniculata</i>, <i>Magnolia virginiana</i>, <i>Myrica pennsylvanica</i>, <i>Tilia cordata</i>, <i>Photinia villosa</i> and <i>Syringa villosa</i> in smaller quantities.		
Red Barberry in all sizes.		
<i>Taxus capitata</i>		
2-yr., S., \$10.00 per 100, \$85.00 per 1000.		
Charles Joly Lilac		
18 to 24 ins., Field-grown grafts, \$35.00 per 100, \$300.00 per 1000.		

Let us know whether you want shipment by express or motor freight; also whether in fall or spring.

NEWPORT NURSERY CO.
Newport, Mich.

ANNUAL INDEX

Volume CX

[Concluded from preceding page]

<i>Osmanthus Fragrans</i>	12:18
<i>Picea Glauca Coerulea</i>	8:46
<i>Prunus Caroliniana</i>	10:16
<i>Viburnum Sieboldi</i>	5:42

BIOGRAPHICAL NOTES

Carter, Dr. J. C.	7:14
------------------------	------

LEGAL DECISIONS

Customer's Injury	6:78
Florida Law Amended	5:61
Nurseryman's Lien	2:197
Taxation of Plants (California)	2:199
Validity of Notes	10:112
Wage Hour Ruling Upset (Huntsville)	3:38

MEETINGS

Alabama Nurserymen's Association	2:23
American Association of Nurserymen	4:7
American Horticultural Society	10:9
Arkansas State Nurserymen's Association	7:7
California Association of Nurserymen	8:7
Florida Nurserymen and Growers Association	1:7
Georgia State Nurserymen's Association	2:24
Holly Society of America, Inc.	11:11
Kansas Association of Nurserymen	7:9
Louisiana Association of Nurserymen	8:112
Mississippi Florists' and Nurserymen's Association	3:13
Missouri State Nurserymen's Association	3:9
Montana-Wyoming Turf and Nurserymen's Association	8:132
National Arborist Association, Inc.	6:12
National Mail Order Nurserymen's Association	5:7
National Shade Tree Conference	6:13
New Mexico Association of Nurserymen	3:7
Oklahoma State Nurserymen's Association	10:13
Plains Nurserymen's Association	3:7
South Carolina Nurserymen's Association	2:25
Southern Nurserymen's Association	6:7
Texas Association of Nurserymen	6:9
Washington State Nurserymen's Association	7:12
West Virginia Nurserymen's Association	5:38

SOUTH DAKOTA MEETING

[Concluded from page 103]

sales and legislation. Not all nurserymen are growers, but all are interested in sales and all should be concerned with state and national legislation that affects their business.

The information shared informally in personal contacts made at meetings can also be highly beneficial. Nurserymen must strive constantly to improve their product and their workmanship, he asserted, and an active South Dakota association will help each nurseryman in the state to operate his business in a more efficient and profitable manner.

After a luncheon in the Union ballroom, the separate afternoon sessions were held, as mentioned earlier in this report. The florists' program was conducted by Dr. Jesse M. Rawson, associate horticulturist at the state college, who discussed soil testing as well as the work done to date on grades and standards and its possible application to South Dakota. The florists' group concluded its afternoon by touring the college greenhouses and viewing the work in progress.

BILL DREW, in the nursery and landscape field at Dallas, Tex., for the past seven years, recently held a grand opening of Drew's Nursery & Garden Shop, 4221 Abrams street.



CONVERT YOUR TRACTOR into a ROAD AND LAND LEVELER Money Back Guarantee

Fits any tractor with a 3-point lift. Reduces labor costs. Saves you money. Thousands now in use. Buy it and try it. If you are not completely satisfied, return it for full refund.

ACT NOW! For further details and prices write

The GLEDHILL



ROAD MACHINERY CO.
GALION, O.

CANS FOR GROWING

(Unwashed)

Carload or truckload lots.
5c each,

F.O.B. East Paterson, N. J.
Approximately 8000 in car.

NEW JERSEY FARM SUPPLY COOP. ASSN., INC.

447 Market St.
East Paterson, N. J.

Top-Quality

Dutch and Domestic

BURLAP SQUARES TWINES NURSERICANS

Write for our low prices and samples.

HALPERN BROS.

272 S. 2nd St., Philadelphia 6, Pa.

NOW! 4 WAYS TO GET A FLOC-FLO PRODUCER PRODUCTION FLOCKING MACHINE

• CASH • 24 MONTH—TIME PAY PLAN
• 18 MONTH—5 PAY SEASONAL PLAN • RENT
FLOC-FLO CORPORATION
1043 W. RANDOLPH ST.—CHICAGO, 7, ILL.

WARMEST REGARDS

DURING THIS HOLIDAY SEASON AND THROUGHOUT 1960

For the past 12 months we have been telling you on this page about the stock and services offered by Lake's Shenandoah Nurseries.

At this time of year, however, we like to set business aside and extend to you heartfelt greetings of the season.

Among the greatest pleasures in business are the people with whom we come in contact. Too often, perhaps, this relationship is largely on a business basis.

So it adds to our enjoyment of the holiday season to extend to you all our hearty good wishes for a most joyous holiday season, and for a wonderful year in 1960.

D. S. LAKE, PRESIDENT

John McLaren

Bill Smart

Cornelius VanTol

Bob True



THE

LAKES

Shenandoah
NURSERIES

SHENANDOAH, IOWA



OVER 1000 ACRES OF EVERGREENS

1855 to 1960

**105 YEARS OF
SERVICE TO THE
RETAIL NURSERYMAN
...1960 CAN BE THE
BIGGEST EVER WITH
PROFIT PLANNING**

**...See Our Able
Representatives at
Your Winter Meetings
for Details
of the D. HILL
"Profit Program"**

**JIM SMART
BILL KREUTZFELD
JOHN LANGE
EMIL MARTENS
GEORGE KAY**

**D. HILL
NURSERY COMPANY**

DUNDEE, ILL.

Phone HAZel 6-3451

Largest Evergreen Growers in America



WDEE
ERGREEN
TZER
SECRET

-345

erica

XUM